TC-WE405/WR350Z/WR661

SERVICE MANUAL

US Model
Canadian Model
TC-WE405/WR350Z/WR661
AEP Model
UK Model
E Model
TC-WE405/WR661
Australian Model
Chinese Model
TC-WE405

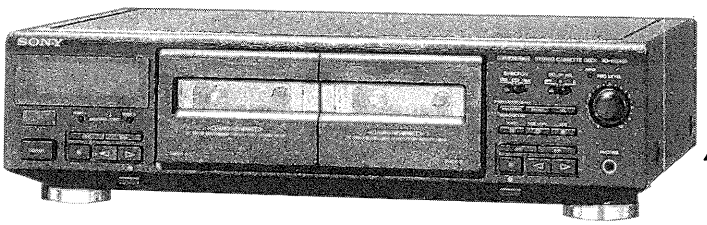


Photo : TC-WE405

Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

"DOLBY", the double-D symbol ◻◻ and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

TC-WE405

Model Name Using Similar Mechanism		TC-WR445
Tape Transport Mechanism	DECK–A	TCM-220WR1
Type	DECK–B	

TC-WR350Z/WR661

Model Name Using Similar Mechanism		NEW
Tape Transport Mechanism	DECK–A	TCM-220WR4E
Type	DECK–B	

SPECIFICATIONS

System

Recording system
4-track 2-channel stereo

Fast-winding time (approx.)
180 sec. (with Sony C-60 cassette)

Bias
AC bias

Signal-to-noise ratio (at peak level and weighted with Dolby NR off)
Type I tape, Sony Type I (NORMAL): 55 dB
Type II tape, Sony Type II (HIGH): 57 dB
Type IV tape, Sony Type IV (METAL): 58 dB

S/N ratio improvement (approximate values)
With Dolby B NR on: 5 dB at 1 kHz, 10 dB at 5 kHz
With Dolby C NR on: 15 dB at 500 Hz, 20 dB at 1 kHz

Harmonic distortion
0.4% (with Type I tape, Sony Type I (NORMAL): 160 nWb/m 315 Hz, 3rd H.D.)
1.8% (with Type IV tape, Sony Type IV (METAL): 250 nWb/m 315 Hz, 3rd H.D.)

Frequency response (Dolby NR off)
Type I tape, Sony Type I (NORMAL): 30 - 16,000 Hz (±3 dB, IEC)
Type II tape, Sony Type II (HIGH): 30 - 17,000 Hz (±3 dB, IEC)
Type IV tape, Sony Type IV (METAL): 30 - 19,000 Hz (±3 dB, IEC)
30 - 13,000 Hz (±3 dB, –4 dB recording)
Type I tape, Sony Type I (NORMAL): 20 - 17,000 Hz (±6 dB)
Type II tape, Sony Type II (HIGH): 20 - 18,000 Hz (±6 dB)
Type IV tape, Sony Type IV (METAL): 20 - 20,000 Hz (±6 dB)

Wow and flutter
±0.15% W. Peak (IEC)
0.1% W. RMS (NAB)
±0.2% W. Peak (DIN)

— Continued on next page —

使用時は添付資料も参照のこと
Refer to the additional documents.

STEREO CASSETTE DECK

SONY®

Inputs

Line inputs (phono jacks)
Sensitivity : 0.16 V
Input impedance : 47 kilohms

Outputs

Line outputs (phono jacks)
Rated output level : 0.5 V at a load impedance of 47 kilohms
Load impedance : Over 10 kilohms

Headphones (stereo phone jack) (TC-WE405 only)
Output level : 0.25 mW at a load impedance of 32 ohms

General

Power requirements

Where purchased	Power requirements
US, Canadian model	120 V AC, 60 Hz
AEP, UK, German, Italian, Singapore, Malaysia, Chinese model	220 - 230 V AC, 50/60 Hz
Australian model	240 V AC, 50/60 Hz
E model	120/220/240 V AC, 50/60 Hz

Power consumption
18 W

Dimensions (approx) (w/h/d)
430 × 120 × 305 mm (w/h/d)
(17 × 4 3/4 × 12 1/8 inches)
including projecting parts and controls

Mass (approx.)
3.8 kg (8 lbs 7 oz)

Supplied accessories

Audio connecting cords (2 phono plugs - 2 phono plugs) (2)

Optional accessory

Remote commander RM-J910

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

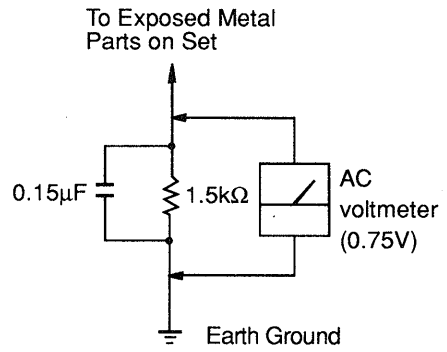


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

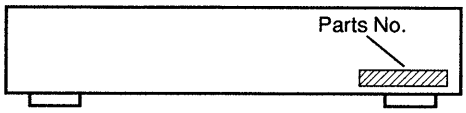
SERVICE NOTE

[FL Display Tube All Lit and Key Check mode]

Insert a short-chip into TP801 (2P) and turn ON the power switch. At first, all the FL display tube light up, then the system returns to normal display.
After that, press one of to enter the KEY CHECK mode. The number of FL display tube is light every pressing a button in the KEY CHECK mode.

MODEL IDENTIFICATION

— BACK PANEL —



TC-WE405

MODEL	PARTS No.
US	3-931-433-0□
CND	3-931-433-1□
AEP, G, MY, SP, CH	3-931-433-2□
UK	3-931-433-3□
E	3-931-433-4□
AUS	3-931-433-5□

TC-WR350Z

MODEL	PARTS No.
US	3-934-887-0□
CND	3-934-887-1□

TC-WR661

MODEL	PARTS No.
US	3-931-436-0□
CND	3-931-436-1□
AEP, G, IT	3-931-436-2□
UK	3-931-436-3□
E	3-931-436-4□

- Abbreviation
  CND : Canadian model.
  G : German model.
  IT : Italian model.
  SP : Singapore model.
  MY : Malaysia model.
  AUS : Australian model.
  CH : Chinese model.

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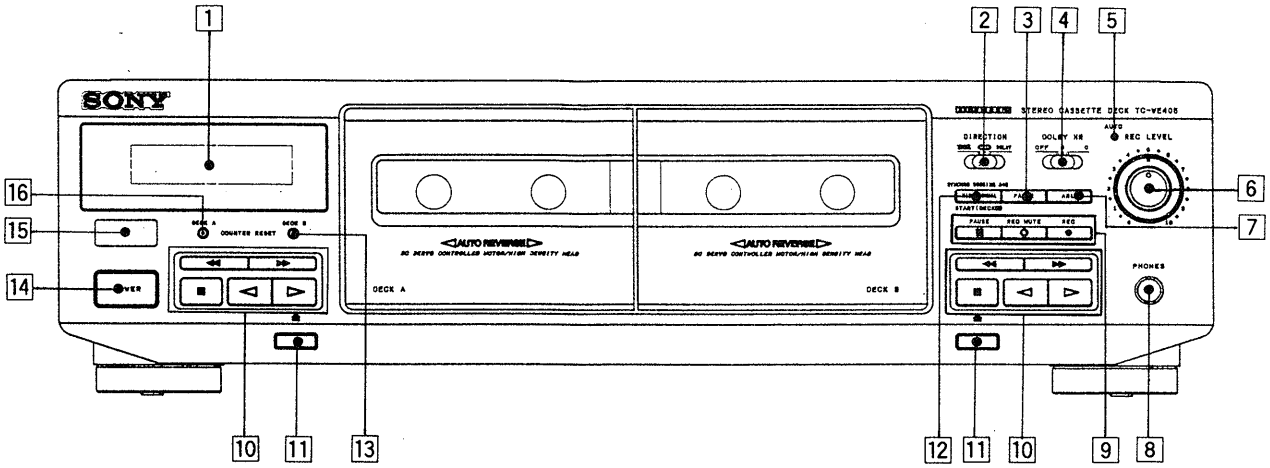
SECTION 1
GENERAL

LOCATION OF CONTROL

Front Panel

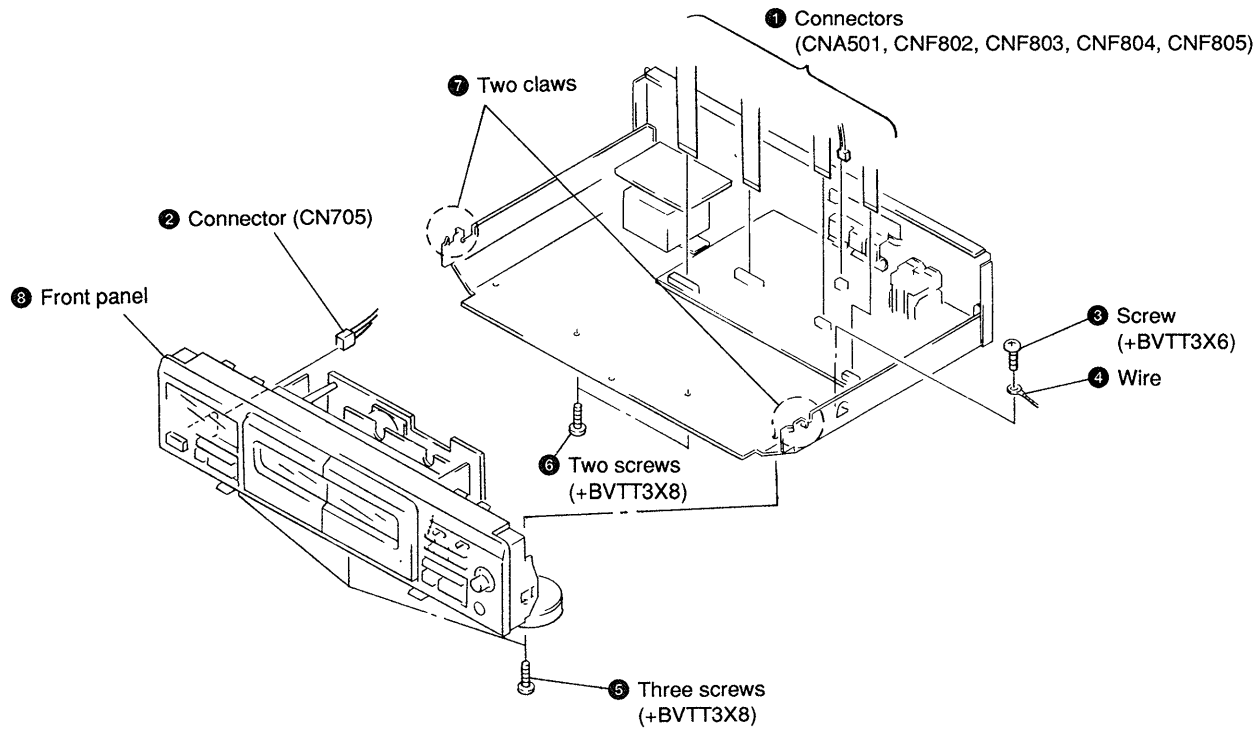


1 Display panel and Indicator tube
2 DIRECTION switch
3 FADER button
4 DOLBY NR (Dolby noise reduction) switch
5 AUTO Indicator
6 REC (recording) LEVEL control
7 ARL button
8 PHONES (headphones) jack (stereo phone jack) (TC-WE405 only)
9 Tape operation buttons
  II PAUSE button
  ○ REC MUTE button
  ● REC button
10 Tape operation buttons
  ■ (stop) button
  ◁ (reverse play) button
  ▷ (forward play) button
  ◀◀ (fast-forwarding) button
  ▶▶ (rewinding) button
11 ⏏ OPEN/CLOSE button
12 SYNCHRO DUBBING A → B button
  HIGH Speed button
  NORMAL Speed button
  START (DECK B) button
13 COUNTER RESET DECK B button
14 POWER switch
15 Remote control sensor
16 COUNTER RESET DECK A button

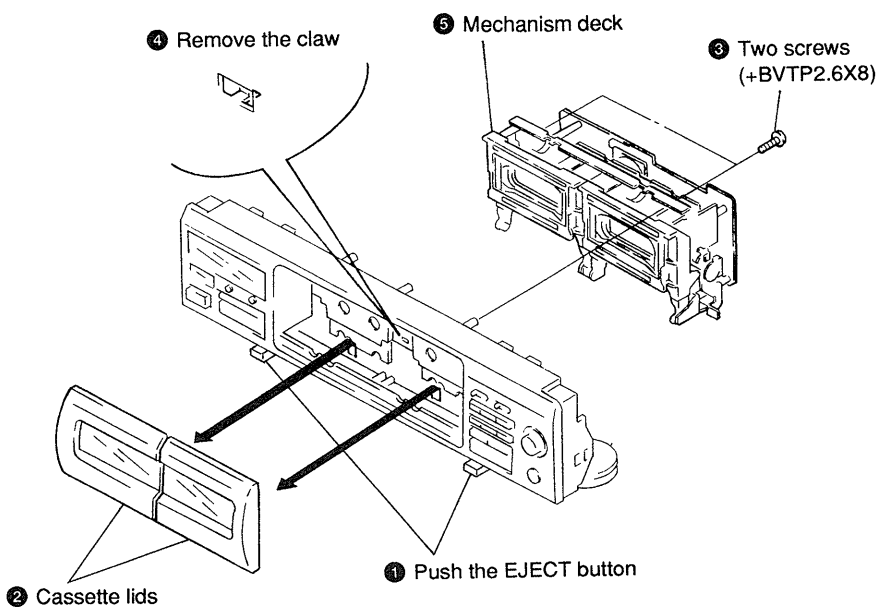
SECTION 2
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

2-1. FRONT PANEL



2-2. MECHANISM DECK



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
   record/playback/erase head pinch roller
   rubber belts capstan
   idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustment.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

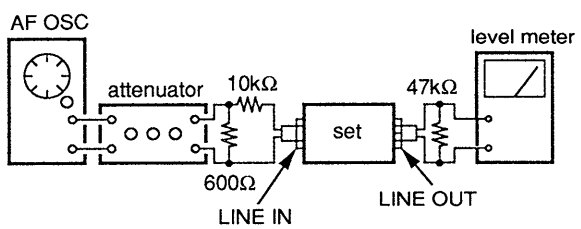
Torque	Torque meter	Meter reading
FWD	CQ-102C	36 to 61g • cm (0.5 – 0.84 oz • inch)
FWD back tension	CQ-102C	2 to 6g • cm (0.02 – 0.08 oz • inch)
REV	CQ-102RC	36 to 61g • cm (0.5 – 0.84 oz • inch)
REV back tension	CQ-102RC	2 to 6g • cm (0.02 – 0.08 oz • inch)
FF/REW	CQ-201B	61 to 143g • cm (0.85 – 1.99 oz • inch)
FWD tension	CQ-403A	100g • cm or more (1.39 oz • inch or more)
REV tension	CQ-403R	100g • cm or more (1.39 oz • inch or more)

3-2. ELECTRICAL ADJUSTMENTS

PRECAUTION

1. The adjustment should be performed in the publication. (Be sure to male playback adjustment at first.)
2. The adjustments and measurement should be performed for both L-CH and R-CH.
   • Switche position
   DOLBY NR switch : OFF
   DIRECTION switch : ⇆
   • Standard record position :
   Deliver the standard input signal level to input jack and set the REC LEVEL control to obtain the standard output signal level as follows.

— Record Mode —



Input Terminal	LINE IN
source impedance	10kΩ
input signal level	0.5 V (–3.8 dB)

Standard Output Level

Output Terminal	LINE OUT
load impedance	47kΩ
output signal level	0.5 V (–3.8 dB)

Test Tape

Tape	Contents	Use
P-4-A100	10 kH, –10 dB	Azimuth Adjustment
P-4-L300	315 Hz, 0 dB	PB Level Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment

0dB = 0.775V

Test mode

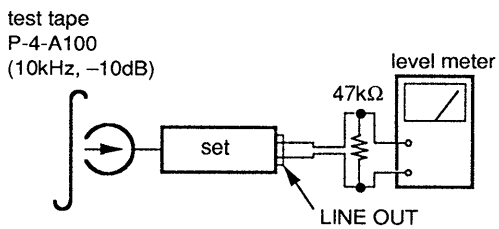
1. Insert a short-clip into TP801 (2P) and turn ON the power switch.
   At first, all the fluorescent tubes light up, then the system returns to normal display.
2. To release the test mode, remove the short-clip and turn off the power switch.
3. Remove the short-clip after completion of adjustment.

Record/Playback Head Azimuth Adjustment

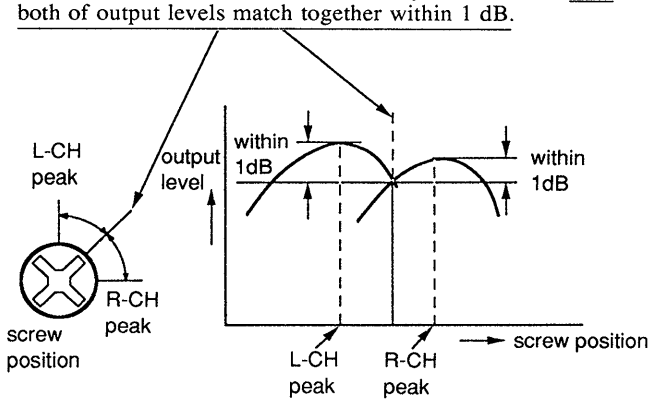
DECK-A **DECK-B**

Procedure :

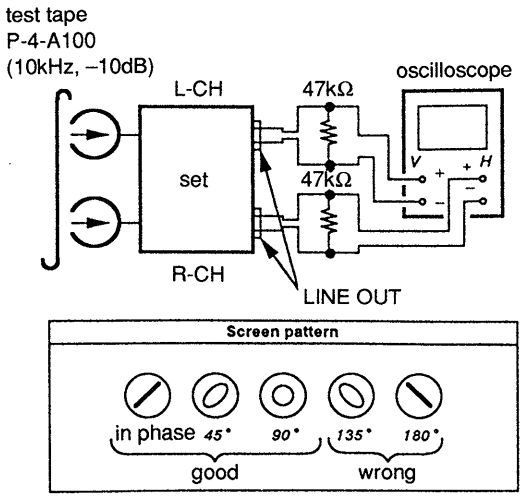
1. Forward playback Mode



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1 dB.

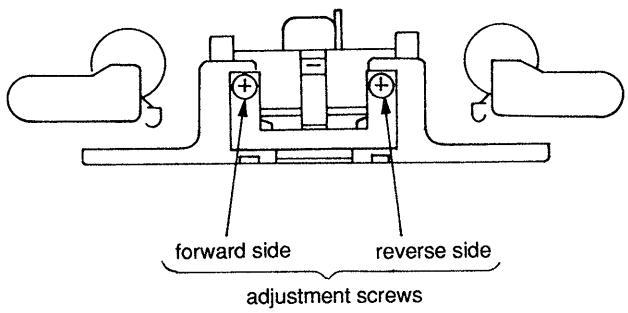


3. Playback Mode



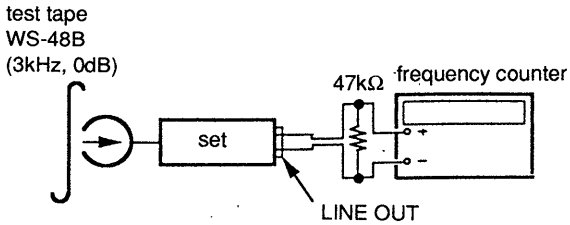
4. Change the reveres playback mode and repeat the steps 1 to 3.
5. After the adjustment, lock the adjustment screws with suitable locking compound.

Adjustment Location : — Record/Playback head —



Tape Speed Adjustment DECK-B

Procedure :
Mode : Forward Playback



(high speed adjustment)
1. Set to test mode. (See page 6)
2. Insert the WS-48B to the deck B to playback.
3. Set to Forward playback mode.
4. Press the SYNCRO DUBBING button.
5. Adjust RV652 so that the frequency counter reading becomes 6,000 ± 30 Hz.

(Press the SYNCRO DUBBING button again to be set the normal speed mode.)

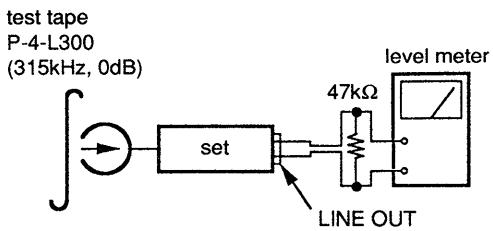
(normal speed adjustment)
1. Set to FWD playback mode.
2. Adjust RV651 so that the frequency counter reading becomes 3,010 ± 10 Hz.

Frequency difference between FWD mode and REV mode should be within 55 Hz.

Adjustment Location : MD board

Playback Level Adjustment DECK-A DECK-B

Procedure :
Mode : Forward Playback



Adjust deck-A is RV311 (L-CH) and RV411 (R-CH), deck-B is RV301 (L-CH) and RV401 (R-CH) so that adjustment within the following adjustment level.

Adjustment level :
LINE OUT level : –7.7 dB ± 0.5 dB (301.5 to 338.3 mV)

Level difference between channels : within ± 0.5 dB.

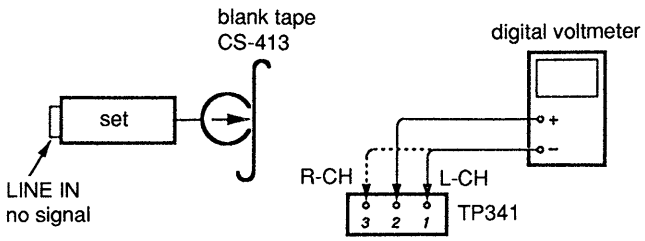
Confirm the LINE OUT level does not change in playback mode while changing the mode from plaback to stop several times.

AdjustmentLocation : MD board

Bias Consumption Current Adjustment DECK-B

(TC-WE405 only)
This adjustment should be performed when replaycing the head assy or the bias oscillating transformer (T341, T441).

Procedure :



1. Connect the digital voltmeter to test point TP341.
2. Set RV341 (L-CH) and RV441 (R-CH) to mechanical center.
3. Set to FWD record mode..
4. Adjust T341 (L-CH) and T441 (R-CH) so that the digital voltmeter reading becomes minimum.

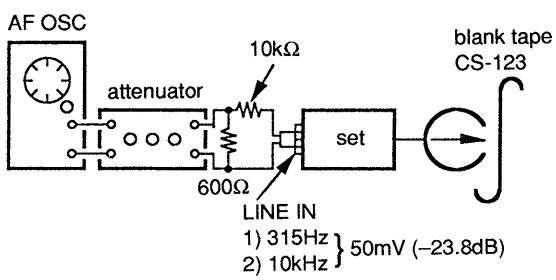
Adjustment level : Maximum 220 mV

Adjustment level : MD board

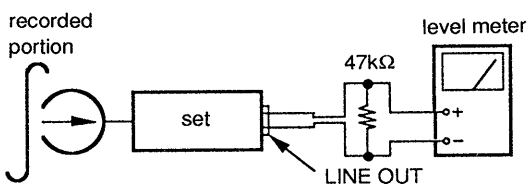
Record Bias Adjustment DECK-B

Setting :
REC LEVEL control : standard record position
(Refer to page 6.)

Procedure :
1. Mode : record



2. Mode : Playback



Confirm playback the signal recorded in step1 become adjustment level as follows. If these levels do not adjustment level the RV341 (L-CH) and RV441 (R-CH) to repeat step 1 and 2.

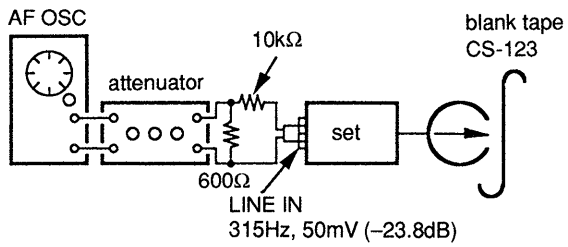
Adjustment level :
The playback output of 10 kHz level difference should be ± 0.5 dB.

AdjustmentLocation : MD board

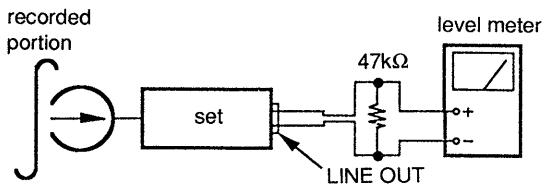
Record Level Adjustment DECK-B

Setting :
REC LEVEL control : standard record position
(Refer to page 6.)

Procedure :
1. Mode : Record



2. Mode : Playback



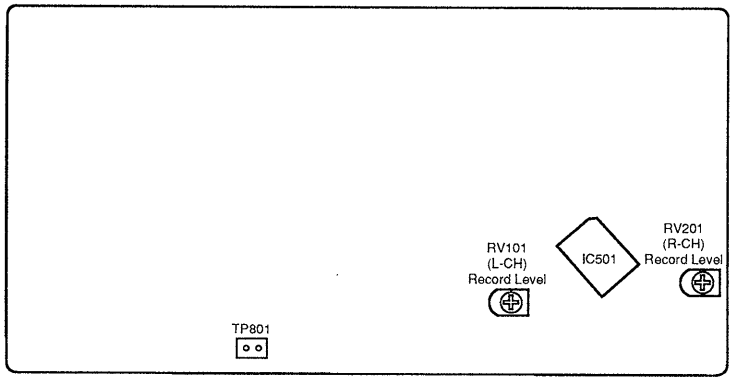
Confirm playback the signal recorded in step 1 become adjustment level as follows.
If necessary, adjust RV101 (L-CH) and RV201 (R-CH) to repeat the step 1 and 2.

Adjustment level : –23.8 ± 0.5 dB (47.2 to 53.0 mV)

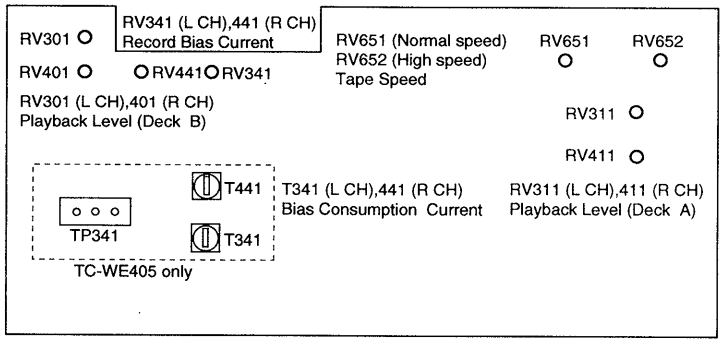
Adjustment Location : MAIN (A) board

— Adjustment Location —

[MAIN (A) BOARD] (Component side)

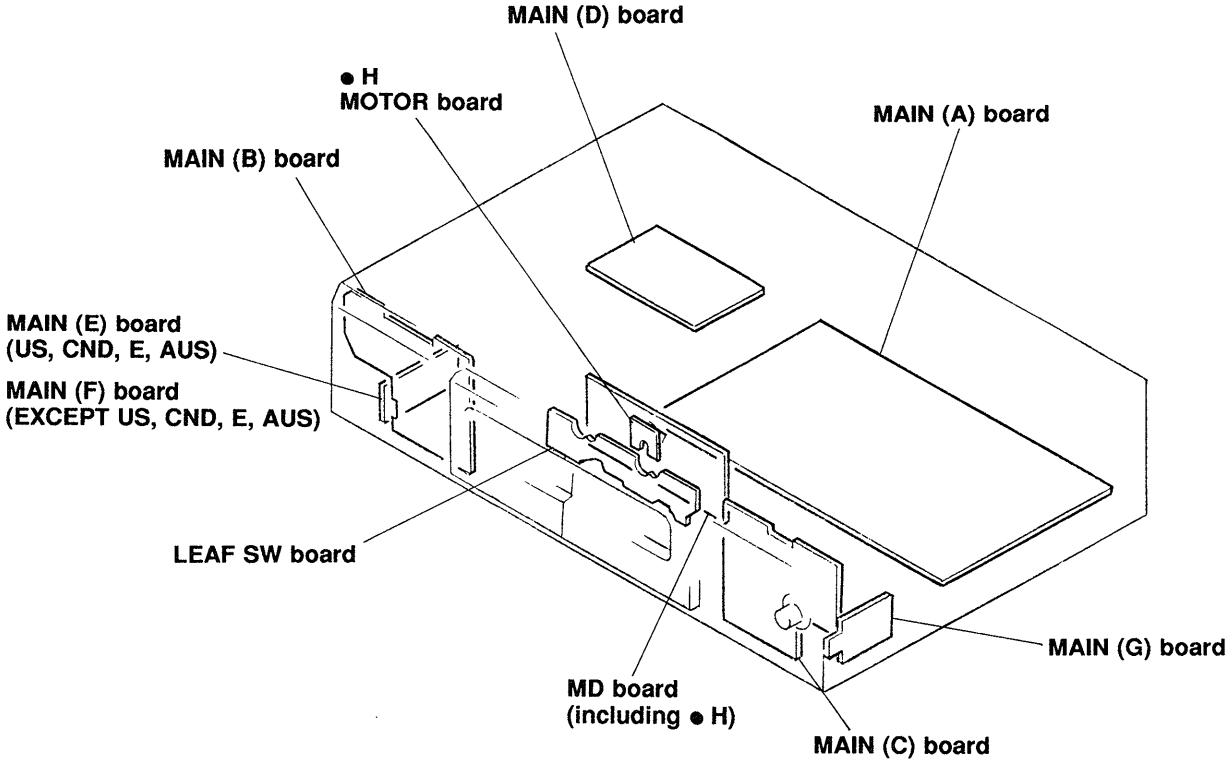


[MD BOARD] (Conductor Side)



SECTION 4
DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION



NOTE : ● H is including in MD board.

- Abbreviation
  CND : Canadian model.
  AUS : Australian model.

4-2. IC PIN FUNCTION

- **IC801 System Controller (M38172M4-156FP)**

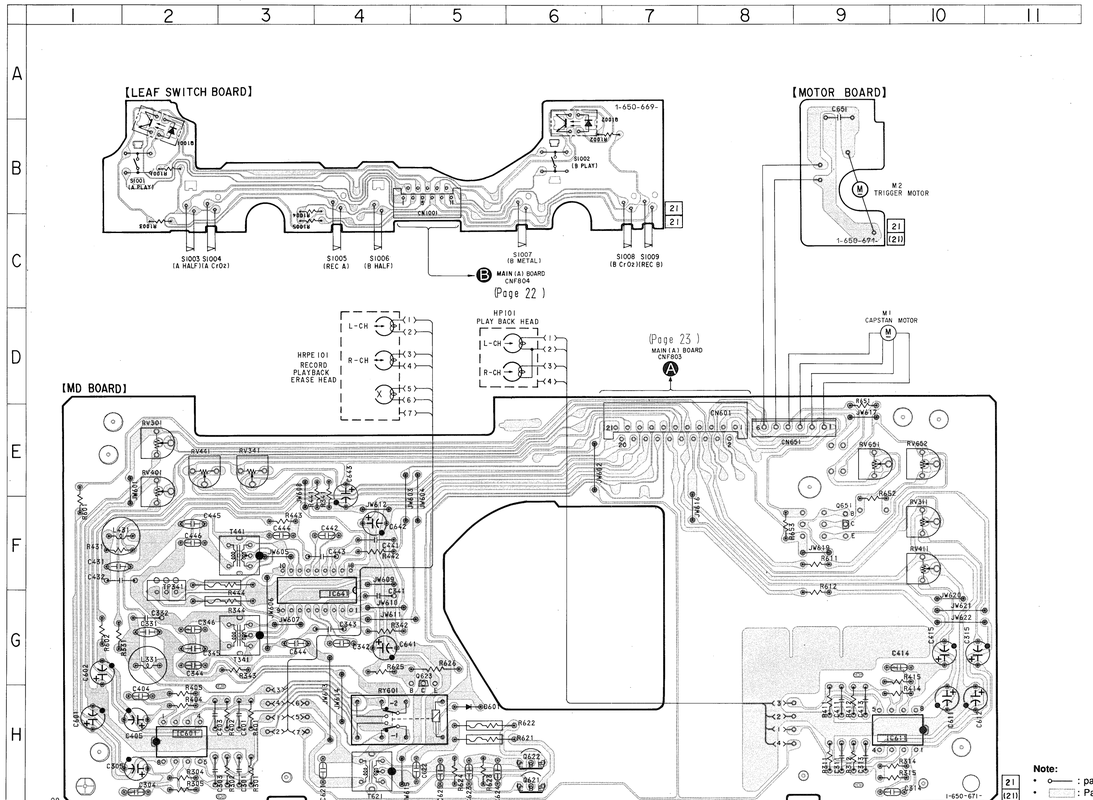
Pin No.	Pin Name	I/O	Function
1	REC VOL IN (A/B)	I	REC volume input
2	METER (L)	I	Meter input Lch
3	METER (R)	I	Meter input Rch
4	B HALF	I	Half, REC claw A side and B side detect – DECK B –
5	A HALF	I	Half detect – DECK A –
6	A PLAY	I	Play mode on – DECK A –
7	A SHUT	I	Reel table pulse detect – DECK A –
8	A SCHMIT	O	
9	B SHUT	I	Reel table pulse detect – DECK B –
10	B SCHMIT	O	
11	B TV	I	TYPE 4 detect L: TYPE 1, 2, H: TYPE 4 – DECK B –
12	B PLAY	I	H: Play model on – DECK B –
13	PB SELECT (A/B)	O	PB amp select L: DECK A, H: DECK B
14	REC/$\overline{PB}$	O	REC/PB mode select L: PB, H: REC
15	PB EQ (HIGH/$\overline{NORM}$)	O	PB EQ select L: Norm Speed, H: High Speed
16	$\overline{REC\ MUTE}$	O	REC mute L: Mute On, H: Cancel
17	$\overline{LINE\ MUTE}$	O	LINE mute L: Mute On, H: Cancel
18	REC VOL OUT	O	PWM output REC volume control
19	$\overline{NR}$/MUTE/PASS	O	NR IN/PASS mute select L: NR, H: PASS, Input: MUTE
20	$\overline{B\ BIAS}$	O	L: Bias On, H: Off
21	POWER IN (2)	I	Secondary power detect L: Power Off, H: On
22	POWER IN (1)	I	Primary power detect L: Power Off, H: On
23	——	O	Open
24	SIRCS	I	Remote control receiver
25	POWER OUT	O	L: Power hold
26	——	I	Open (Connected to ground)
27	RESET	I	RESET
28	——	–	Open (Connected to ground)
29	——	–	Open
30	X IN	I	4 MHz clock input
31	X OUT	O	4 MHz clock output
32	Vss	–	Ground
33	$\overline{B\ RELAY}$	O	Relay select H: Off, L: On
34	$\overline{TEST}$	I	L: Test mode
35	——	O	Open
36	——	O	
37	——	O	
38	——	O	
39	——	O	
40	——	O	

Pin No.	Pin Name	I/O	Function
41	V1	O	FL Segment signal output 16
42	S15	O	FL Segment signal output 15
43	S14	O	FL Segment signal output 14
44	S13	O	FL Segment signal output 13
45	S12	O	FL Segment signal output 12
46	S11	O	FL Segment signal output 11
47	S10	O	FL Segment signal output 10
48	S9	O	FL Segment signal output 9
49	S8	O	FL Segment signal output 8
50	S7	O	FL Segment signal output 7
51	S6	O	FL Segment signal output 6
52	S5	O	FL Segment signal output 5
53	S4	O	FL Segment signal output 4
54	S3	O	FL Segment signal output 3
55	S2	O	FL Segment signal output 2
56	S1	O	FL Segment signal output 1
57	G1	O	FL Grid signal output 1
58	G2	O	FL Grid signal output 2
59	G3	O	FL Grid signal output 3
60	G4	O	FL Grid signal output 4
61	G5	O	FL Grid signal output 5
62	G6	O	FL Grid signal output 6
63	G7	O	FL Grid signal output 7
64	——	O	Open
65	——	O	
66	CAP M ($\overline{H}$/N)	O	Capstan motor L: High Speed, H: Low Speed
67	CAP M ($\overline{ON}$/OFF)	O	Capstan motor L: On, H: Off
68	TRG ($\overline{H}$/L)	O	Trigger motor H: Low, L: High
69	A-TRG	O	Trigger motor control – DECK A –
70	B-TRG	O	Trigger motor control – DECK B –
71	——	O	Open
72	ARL (LED)	O	ARL LED control L: Off, H: On
73	Vcc	–	+5V
74	VEE	–	Pull down voltage –24V
75	AVss	–	AD voltage 0V (Ground)
76	VREF	–	AD Reference voltage +5V
77	KEY4	I	Key input (Arew, Aff, Breset, Circle, Relay, Oneway)
78	KEY3	I	Key input (Astp, Afwd, Arev, Areset)
79	KEY2	I	Key input (Brew, Bff, Brec, Bpause, Brec_mute, Dub H/N)
80	KEY1	I	Key input (Bstp, Bfwd, Brev, ARL, FADER)

- Abbreviation
  FL : FLUORESCENT INDICATOR TUBE

4-3. PRINTED WIRING BOARD — DECK (TCM-220WR1) SECTION — TC-WE405

• See page 10 for Circuit Boards Location.

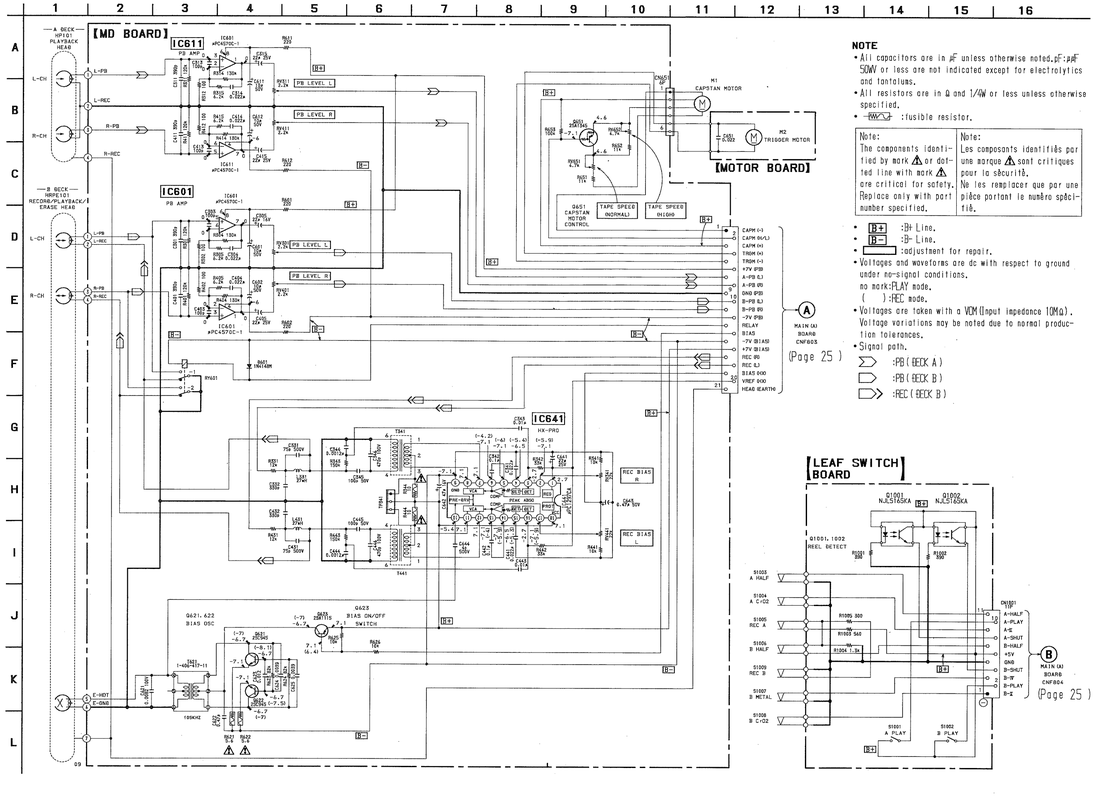


• Semiconductor Location

Ref. No.	Location
D601	H-5
IC601	H-2
IC611	H-10
IC641	G-4
Q621	H-6
Q622	H-6
Q623	G-5
Q651	F-9
Q1001	B-2
Q1002	B-6

Note:
• ○—— : parts extracted from the component side.
• ▭ : Pattern from the side which enable seeing.

4-4. SCHEMATIC DIAGRAM — DECK (TCM-220WR1) SECTION — TC-WE405



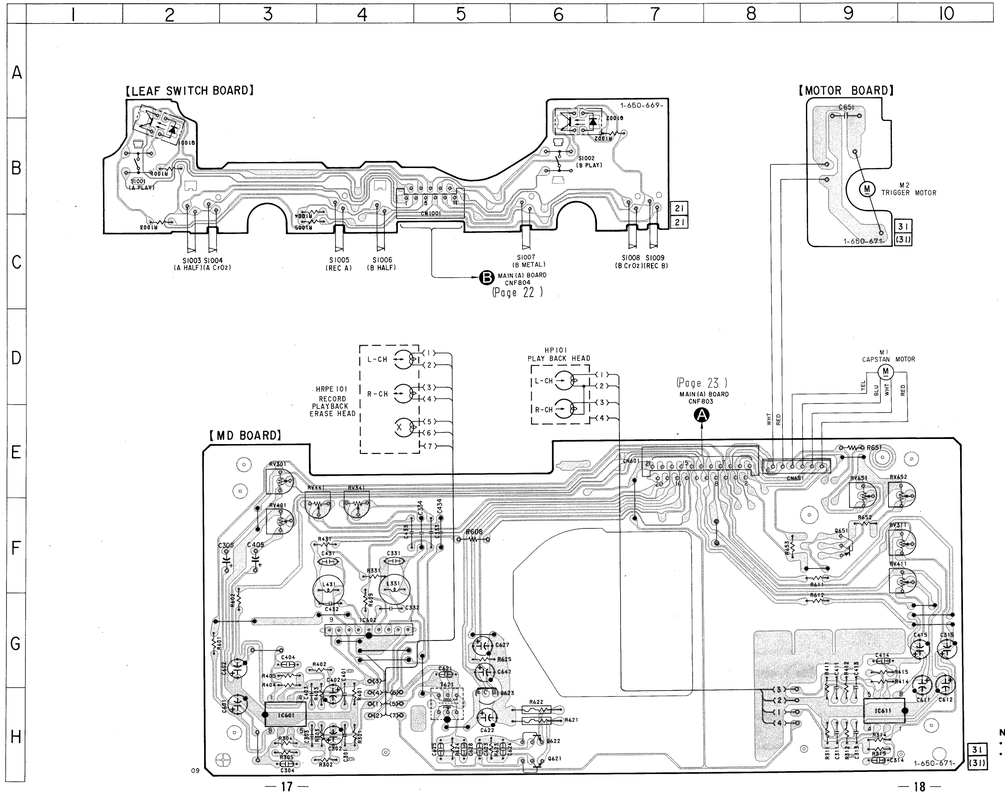
NOTE
• All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantaluns.
• All resistors are in Ω and 1/4W or less unless otherwise specified.
• ⚠ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• B+ : B+ Line.
• B− : B− Line.
• ▭ : adjustment for repair.
• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: PLAY mode.
( ): REC mode.
• Voltages are taken with a VCM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
• Signal path.
: PB (DECK A)
: PB (DECK B)
: REC (DECK B)

4-5. PRINTED WIRING BOARD — DECK (TCM-220WR4E) SECTION — TC-WR350Z/WR661

• See page 10 for Circuit Boards Location.

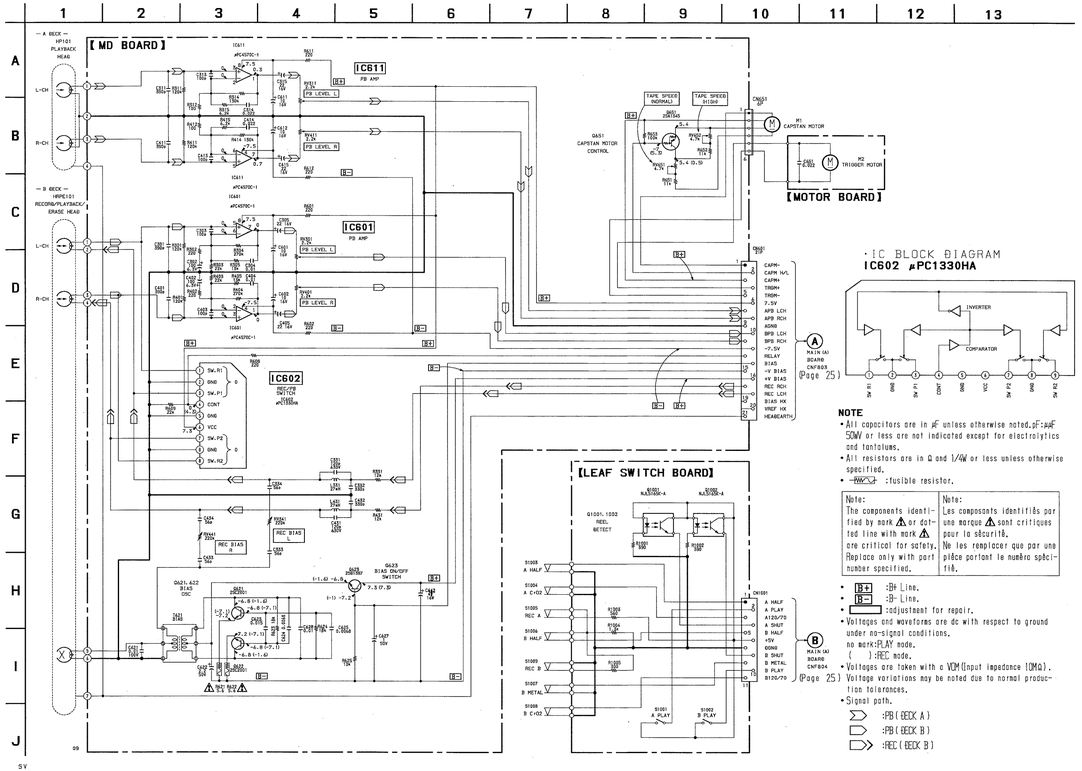


Note:
- ○—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enable seeing.

• Semiconductor Location

Ref. No.	Location
IC601	H-3
IC602	G-4
IC611	H-9
Q621	H-6
Q622	H-6
Q623	H-5
Q651	F-9
Q1001	B-2
Q1002	B-6

4-6. SCHEMATIC DIAGRAM — DECK (TCM-220WR4E) SECTION — TC-WR350Z/WR661



NOTE
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- -WW- : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B+ Line.
- B- : B- Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark: PLAY mode.
  ( ): REC mode.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - : PB (DECK A)
  - : PB (DECK B)
  - : REC (DECK B)

4-7. PRINTED WIRING BOARD — MAIN SECTION — TC-WR350Z/WR661

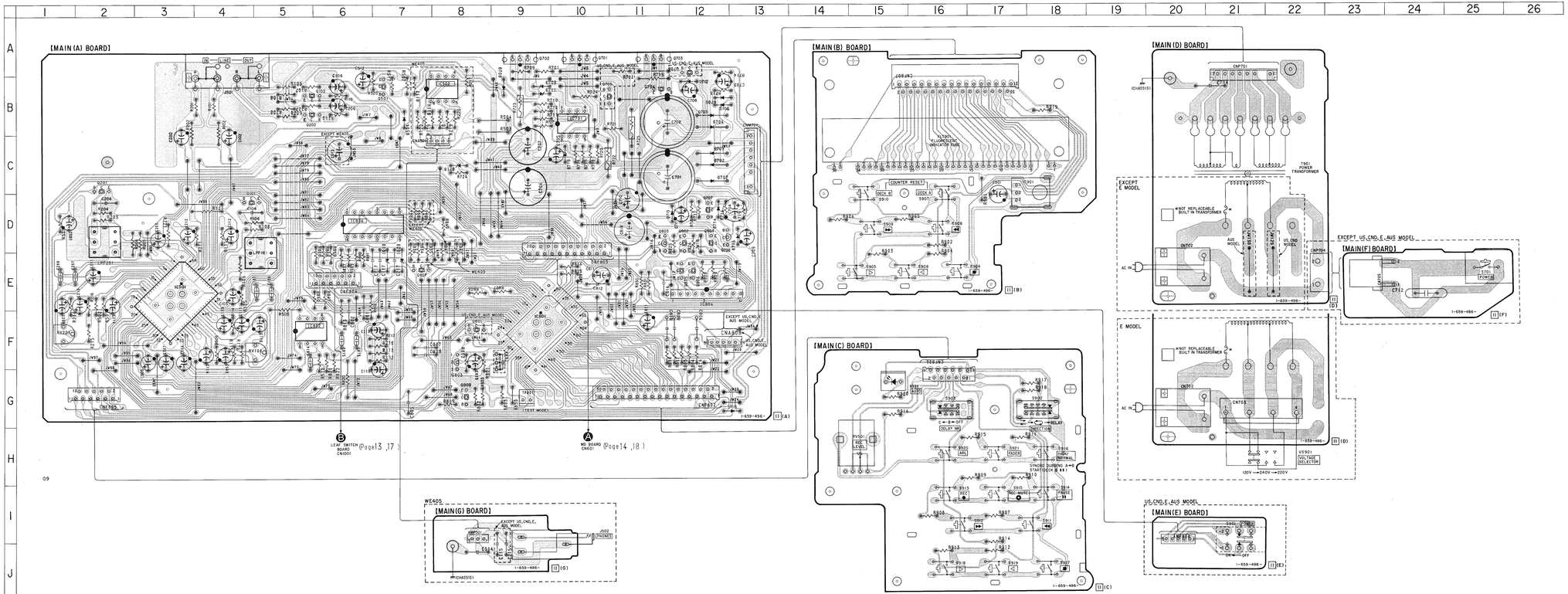
• See page 10 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
D101	D-7
D201	D-7
D501	B-7
D701	C-12
D702	C-12
D703	B-12
D704	B-12
D705	B-12
D706	B-12
D707	C-12
D708	A-9
D709	B-9
D710	C-10
D711	B-9
D712	B-12
D713	G-12
D714	D-12
D715	D-11
D716	D-13
D718	C-8
D901	G-16
IC501	E-3
IC502	B-8
IC701	B-10
IC801	F-9
IC802	F-5
IC803	G-8
IC804	E-12
IC806	D-6
IC901	C-17
Q101	D-4
Q102	B-6
Q201	C-2
Q202	B-5
Q501	B-7
Q701	A-10
Q702	A-9
Q703	A-12
Q704	B-11
Q705	B-10
Q706	A-12
Q707	D-12
Q708	D-12
Q801	F-8
Q802	D-12
Q803	D-11
Q804	D-12
Q805	E-12
Q806	E-12
Q807	E-7
Q808	G-8

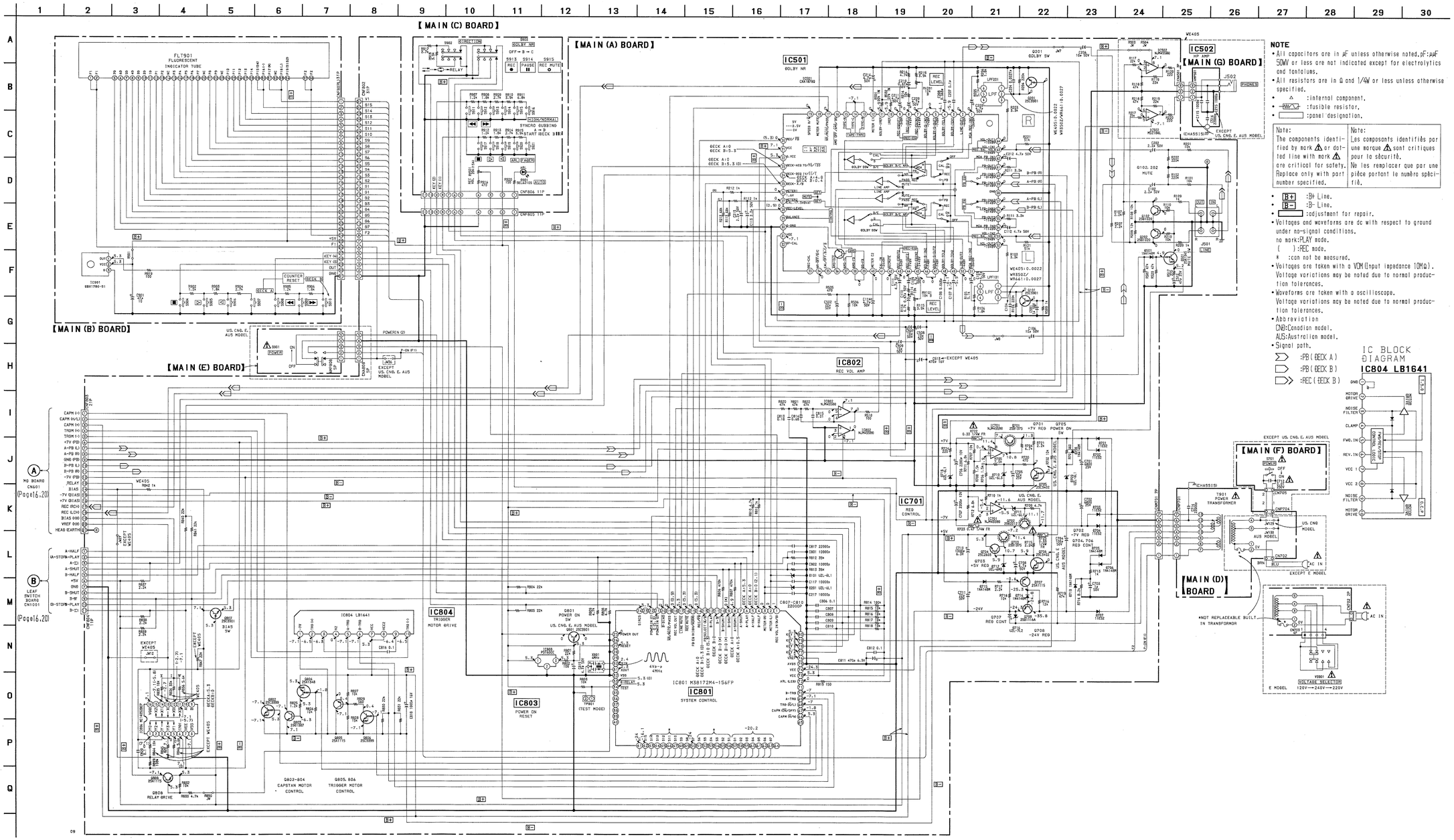
Note:

- ⟜ : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- △ : internal component.
- ▒▒ : Pattern from the side which enable seeing.
- Abbreviation
  CND : Canadian model.
  AUS : Australian model.



4-8. SCHEMATIC DIAGRAM — DECK (TCM-220WR4E) SECTION — TC-WR350Z/WR661

• See page 11 for IC Pin function. (IC801)


【MAIN (C) BOARD】
【MAIN (A) BOARD】
【MAIN (B) BOARD】
【MAIN (E) BOARD】
【MAIN (G) BOARD】
【MAIN (F) BOARD】
【MAIN (D) BOARD】
IC501
IC502
IC802
IC701
IC804
IC803
IC801
IC804 LB1641
IC BLOCK DIAGRAM
NOTE
• All capacitors are in μF unless otherwise noted. pF: μF
50WV or less are not indicated except for electrolytics and tantaliums.
• All resistors are in Ω and 1/4W or less unless otherwise specified.
• △ :internal component.
• ⚠ :fusible resistor.
• ▭ :panel designation.
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Note: Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
• B+ :B+ Line.
• B- :B- Line.
• ▭ :adjustment for repair.
• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark:PLAY mode.
( ):REC mode.
* :can not be measured.
• Voltages are taken with a VOM (input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
• Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
• Abbreviation
CND:Canadian model.
AUS:Australian model.
• Signal path.
:PB (DECK A)
:PB (DECK B)
:REC (DECK B)
EXCEPT US, CND, E, AUS MODEL
EXCEPT US, CND, E MODEL
EXCEPT E MODEL
US, CND MODEL
AUS MODEL
*NOT REPLACEABLE BUILT-IN TRANSFORMER
VOLTAGE SELECTOR
E MODEL 120V—240V—220V
FLT901 FLUORESCENT INDICATOR TUBE
IC901 68X1786-S1
IC801 M38172M4-156FP
SYSTEM CONTROL
IC804 TRIGGER MOTOR DRIVE
IC803 POWER ON RESET
IC802 REC VOL AMP
IC701 REG CONT.
Q802-804 CAPSTAN MOTOR CONTROL
Q805,806 TRIGGER MOTOR CONTROL
Q808 RELAY DRIVE
T901 POWER TRANSFORMER
MG BOARD CN601 (Page16,20)
LEAF SWITCH BOARD CN1001 (Page16,20)

SECTION 5
EXPLODED VIEWS

NOTE:
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

- Abbreviation
  CND : Canadian model
  G : German model
  IT : Italian model
  SP : Singapore model
  MY : Malaysia model
  AUS : Australian model
  CH : Chinese model

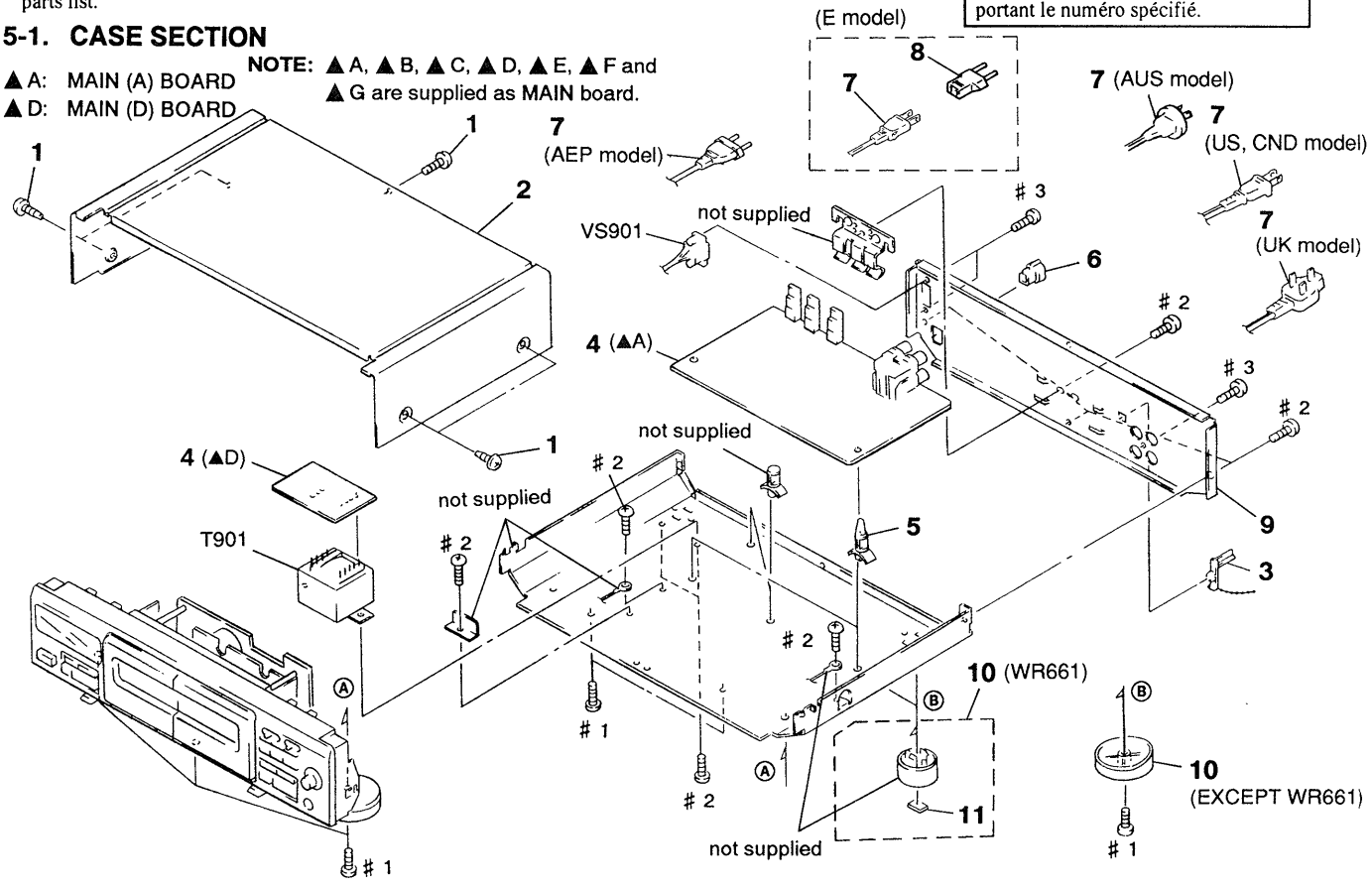
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

5-1. CASE SECTION

▲A: MAIN (A) BOARD
▲D: MAIN (D) BOARD

NOTE: ▲A, ▲B, ▲C, ▲D, ▲E, ▲F and ▲G are supplied as MAIN board.



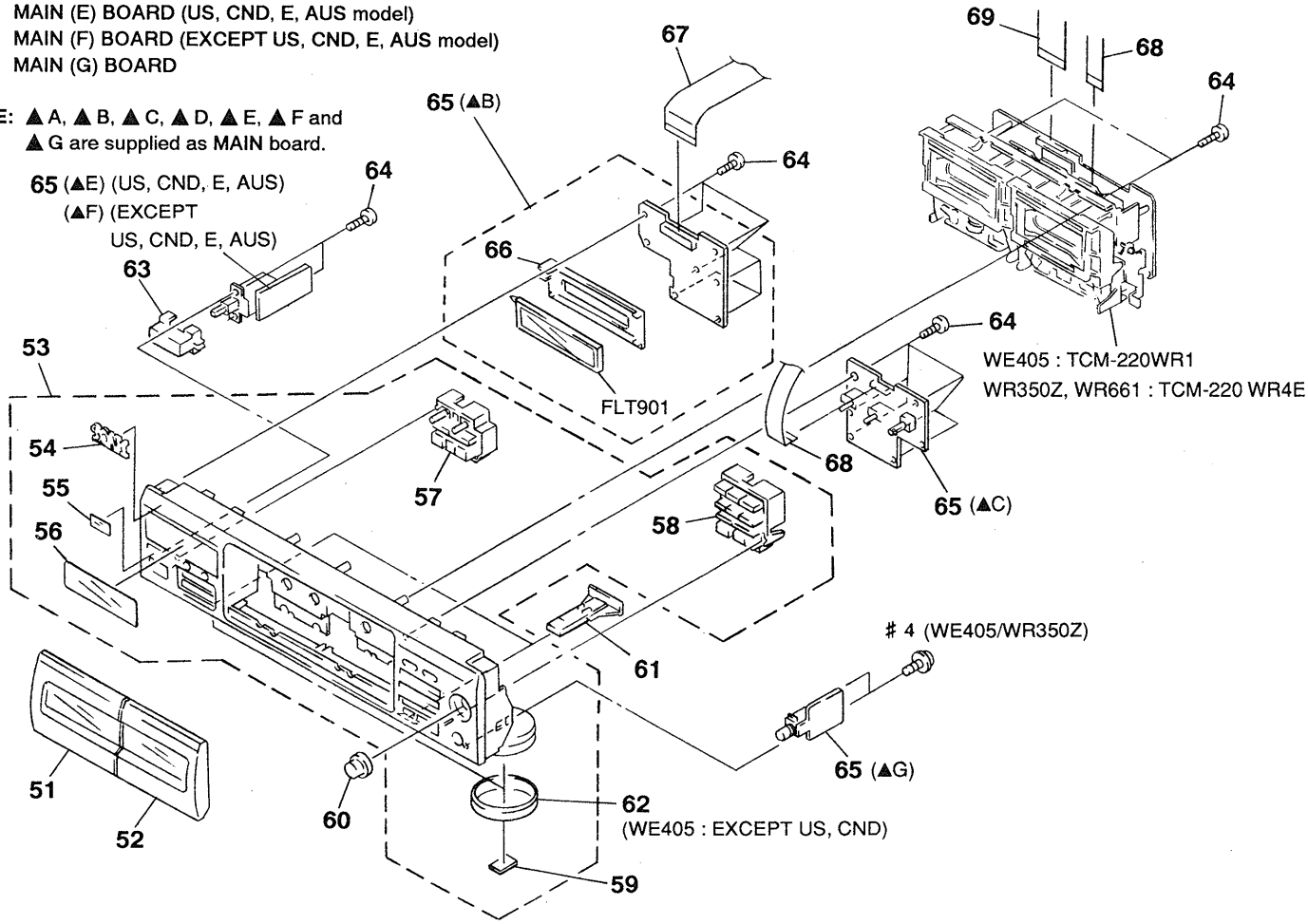
Ref. No.	Part No.	Description	Remark
1	3-704-366-01	SCREW (CASE) (M3X8)	
* 2	3-931-432-01	CASE (410726)	
3	4-956-370-12	BAND, PLUG FIXED (WE405:UK, AUS)	
* 4	A-2007-484-A	MAIN BOARD, COMPLETE (WR350Z/WR661:US, CND)	
* 4	A-2007-486-A	MAIN BOARD, COMPLETE (WR661:AEP, UK, G, IT)	
* 4	A-2007-487-A	MAIN BOARD, COMPLETE (WR661:E)	
* 4	A-2007-488-A	MAIN BOARD, COMPLETE (WE405:AEP, CH, MY, SP, UK, G)	
* 4	A-2007-489-A	MAIN BOARD, COMPLETE (WE405:E)	
* 4	A-2007-490-A	MAIN BOARD, COMPLETE (WE405:AUS)	
* 4	A-2007-546-A	MAIN BOARD, COMPLETE (WE405:US, CND)	
* 5	3-346-265-31	HOLDER, PC BOARD	
* 6	3-703-244-00	BUSHING (2104), CORD (WE405:AEP, CH, MY, SP, UK, G, AUS/WR661:AEP, UK, G, IT)	
6	3-703-571-11	BUSHING (S) (4516), CORD (WE405:US, CND, E/WR350Z/WR661:US, CND, E)	
⚠7	1-558-945-21	CORD, POWER (POLAR. SPT-1) (WE405:US, CND/WR350Z/WR661:US, CND)	
⚠7	1-575-651-21	CORD, POWER (WE405:AEP, CH, MY, SP, G/WR661:AEP, G, IT)	
⚠7	1-696-027-11	CORD, POWER (WE405:E/WR661:E)	
⚠7	1-696-845-11	CORD, POWER (WE405:AUS)	
⚠7	1-769-639-11	CORD, POWER (WR661:UK)	
⚠7	1-751-523-11	CORD, POWER (WE405:UK)	
⚠8	1-569-007-11	ADAPTER, CONVERSION 2P (WE405:E/WR661:E)	

Ref. No.	Part No.	Description	Remark
* 9	3-931-433-01	PANEL, BACK (WE405:US)	
* 9	3-931-433-11	PANEL, BACK (WE405:CND)	
* 9	3-931-433-21	PANEL, BACK (WE405:AEP, CH, MY, SP, G)	
* 9	3-931-433-31	PANEL, BACK (WE405:UK)	
* 9	3-931-433-41	PANEL, BACK (WE405:E)	
* 9	3-931-433-51	PANEL, BACK (WE405:AUS)	
* 9	3-931-436-01	PANEL, BACK (WR661:US)	
* 9	3-931-436-11	PANEL, BACK (WR661:CND)	
* 9	3-931-436-21	PANEL, BACK (WR661:AEP, G, IT)	
* 9	3-931-436-31	PANEL, BACK (WR661:UK)	
* 9	3-931-436-41	PANEL, BACK (WR661:E)	
* 9	3-934-887-01	PANEL, BACK (WR350Z:US)	
* 9	3-934-887-11	PANEL, BACK (WR350Z:CND)	
10	X-3371-405-1	FOOT (SMALL) ASSY (WR661)	
10	X-3371-435-1	FOOT ASSY (F50150S) (WE405:AEP, CH, MY, SP, UK, G, E, AUS)	
10	X-3371-436-1	FOOT ASSY (F50145S) (WE405:US, CND/WR350Z)	
11	4-977-358-01	CUSHION (8X12.5) (WE405/WR350Z)	
⚠T901	429-387-11	TRANSFORMER, POWER (WE405:US, CND/WR350Z/WR661:US, CND)	
⚠T901	429-388-11	TRANSFORMER, POWER (WE405:AEP, CH, MY, SP, UK, G, AUS/WR661:AEP, UK, G, IT)	
⚠T901	429-389-11	TRANSFORMER, POWER (WE405:E/WR661:E)	
⚠VS901	692-155-11	SELECTOR, POWER VOLTAGE (WE405:E/WR661:E)	

5-2. FRONT PANEL SECTION

▲B: MAIN (B) BOARD
▲C: MAIN (C) BOARD
▲E: MAIN (E) BOARD (US, CND, E, AUS model)
▲F: MAIN (F) BOARD (EXCEPT US, CND, E, AUS model)
▲G: MAIN (G) BOARD

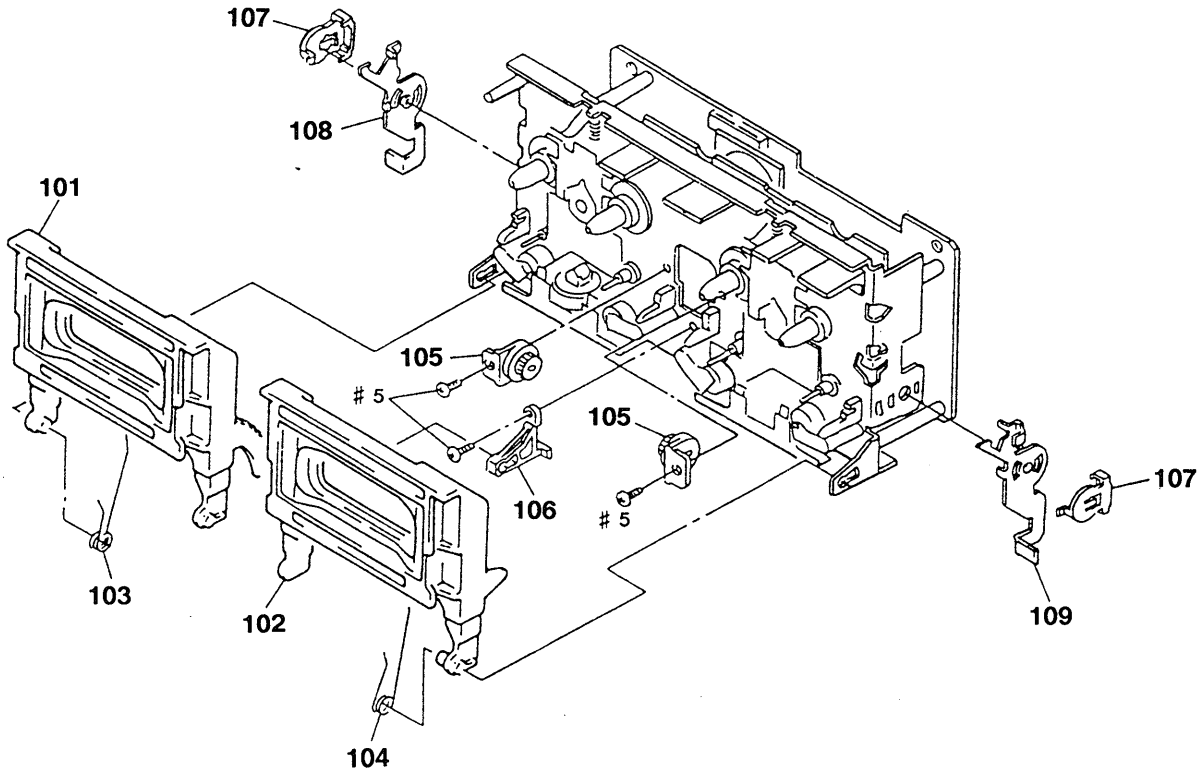
NOTE: ▲A, ▲B, ▲C, ▲D, ▲E, ▲F and ▲G are supplied as MAIN board.



Ref. No.	Part No.	Description	Remark
51	X-3371-403-1	LID (A) ASSY, CASSETTE	
52	X-3371-404-1	LID (B) ASSY, CASSETTE	
53	X-3371-400-1	PANEL ASSY, FRONT (WR350Z)	
53	X-3371-401-1	PANEL ASSY, FRONT (WE405:US, CND)	
53	X-3371-402-1	PANEL ASSY, FRONT (WR661)	
53	X-3371-969-1	PANEL ASSY, FRONT (WE405:AEP, CH, MY, SP, UK, G, E, AUS)	
54	4-963-404-21	EMBLEM (5-A), SONY	
55	3-931-435-01	WINDOW (R)	
56	3-931-434-01	WINDOW (M)	
57	3-931-425-01	BUTTON (A)	
58	3-931-426-01	BUTTON (B)	
59	4-977-358-01	CUSHION (8X12.5)	
60	3-931-430-11	KNOB (REC)	
61	3-931-427-01	BUTTON (EJ)	
62	4-977-593-11	RING (DIA 50), ORNAMENTAL (WE405:AEP, CH, MY, SP, UK, G, E, AUS)	

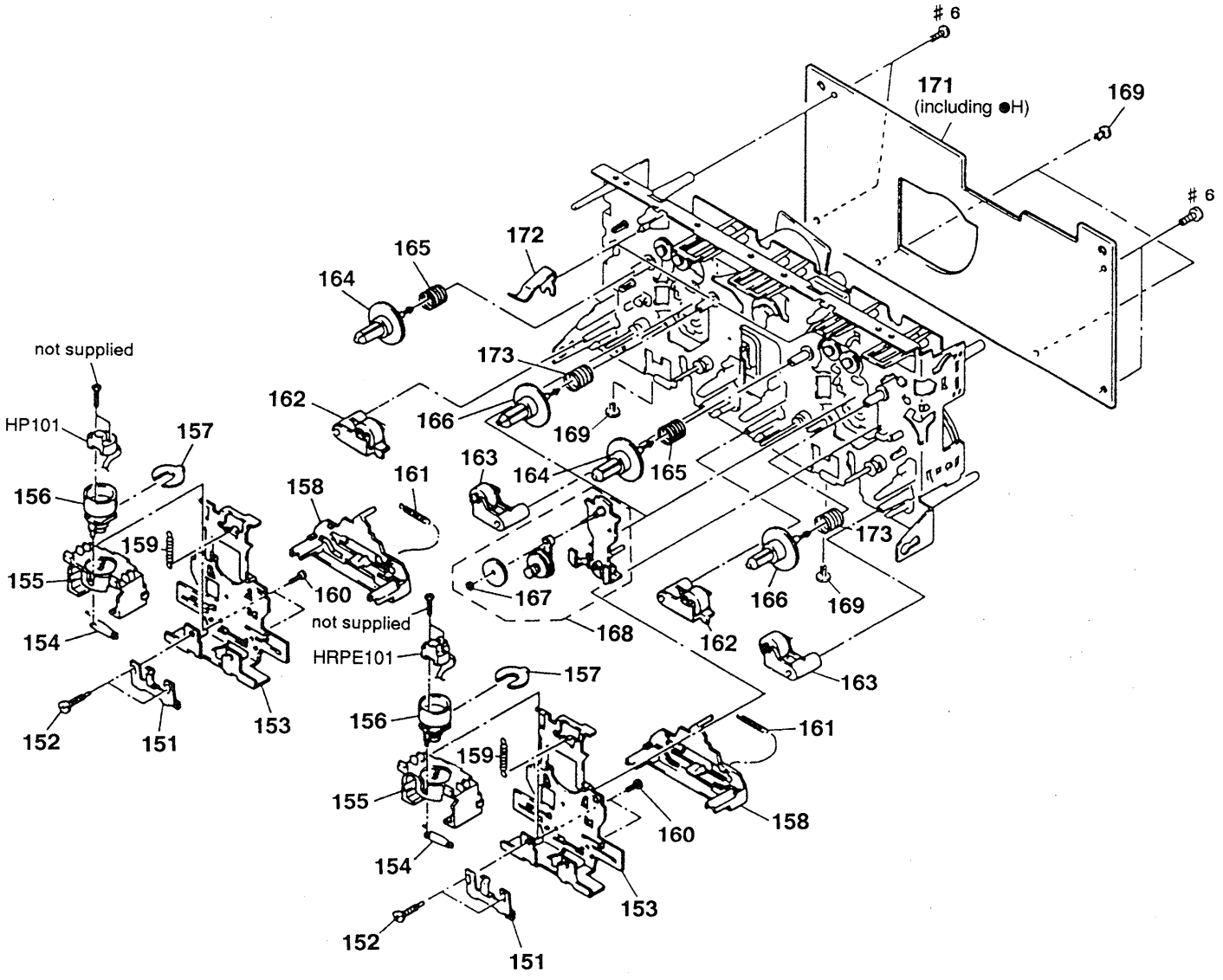
Ref. No.	Part No.	Description	Remark
63	3-931-429-01	BUTTON (POWER)	
64	4-951-620-01	SCREW (2.6X8), +BVTP	
* 65	A-2007-484-A	MAIN BOARD, COMPLETE (WR350Z/WR661:US, CND)	
* 65	A-2007-486-A	MAIN BOARD, COMPLETE(WR661:AEP, UK, G, IT)	
* 65	A-2007-487-A	MAIN BOARD, COMPLETE (WR661:E)	
* 65	A-2007-488-A	MAIN BOARD, COMPLETE (WE405:AEP, CH, MY, SP, UK, G)	
* 65	A-2007-489-A	MAIN BOARD, COMPLETE (WE405:E)	
* 65	A-2007-490-A	MAIN BOARD, COMPLETE (WE405:AUS)	
* 65	A-2007-546-A	MAIN BOARD, COMPLETE (WE405:US, CND)	
* 66	3-931-428-01	HOLDER (FL)	
67	1-773-332-11	WIRE (FLAT TYPE) (31 CORE)	
68	1-769-950-11	WIRE (FLAT TYPE) (11 CORE)	
69	1-773-153-11	WIRE (FLAT TYPE) (21 CORE)	
FLT901	1-517-491-11	INDICATOR TUBE, FLUORESCENT	

5-3. TC MECHANISM SECTION 1
(WE405: TCM-220WR1
WR350Z, WR661: TCM-220WR4E)



Ref. No.	Part No.	Description	Remark
101	X-4945-690-1	HOLDER (L) ASSY, CASSETTE	
102	X-4945-691-1	HOLDER (R) ASSY, CASSETTE	
103	4-959-231-11	SPRING (L), TORSION	
104	4-959-232-11	SPRING (R), TORSION	
105	3-354-963-01	DAMPER	
* 106	4-980-439-01	FULCRUM, HOLDER	
107	3-354-957-01	JOINT (LOCK LEVER)	
* 108	3-354-953-01	LEVER (LOCK LEVER L)	
* 109	3-354-954-01	LEVER (LOCK LEVER R)	

5-4. TC MECHANISM SECTION 2
(WE405: TCM-220WR1
WR350Z, WR661: TCM-220WR4E)

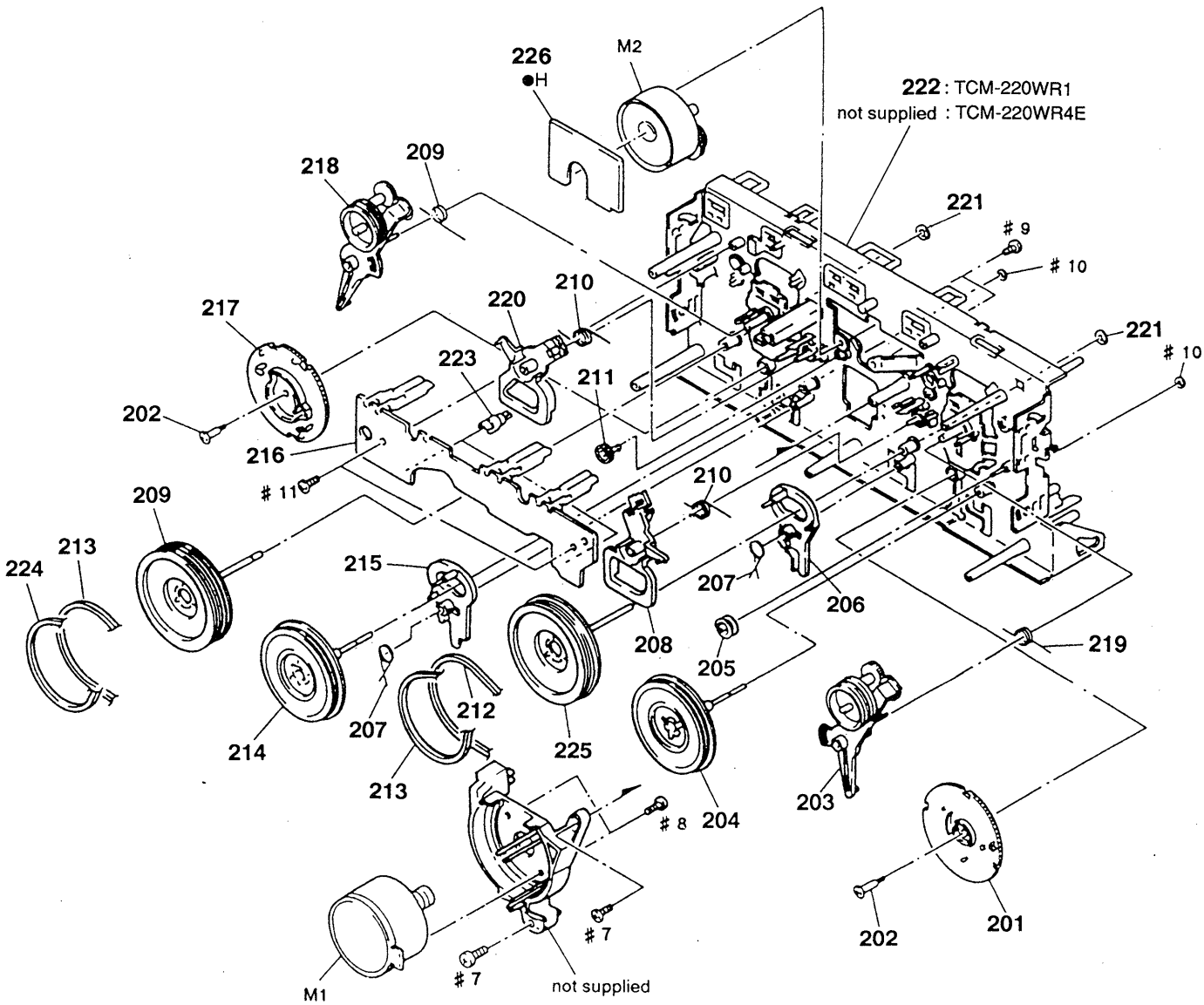


Ref. No.	Part No.	Description	Remark
151	3-908-560-01	SPRING, AZIMUTH ADJUSTMENT	
152	3-919-684-01	SCREW, AZIMUTH ADJUSTMENT	
* 153	X-3367-584-2	SLIDER (HEAD) ASSY	
154	3-908-556-01	SPRING, HEAD TOGGLE	
155	3-908-558-02	FITTING BLOCK, HEAD	
156	3-908-557-02	ROTARY BLOCK, HEAD	
* 157	3-908-559-01	STOPPER, AZIMUTH	
158	3-908-555-01	SLIDER (REV SLIDER)	
159	3-917-143-11	SPRING, TENSION	
160	3-388-848-01	SCREW (P2X6) (B TIGHT)	
161	3-911-113-01	SPRING, TENSION	
162	X-3370-643-1	PINCH LEVER (REV) ASSY	
163	X-3367-588-1	PINCH LEVER (FWD) ASSY	

Ref. No.	Part No.	Description	Remark
164	3-908-613-01	GEAR (S), REEL	
165	3-917-141-01	SPRING, COMPRESSION	
166	X-3371-305-1	REEL (T) ASSY	
167	3-669-465-01	WASHER (1.5), STOPPER	
168	X-3370-173-1	TU ASSY	
169	3-911-116-21	RIVET, PUSH	
* 171	A-2007-129-A	MD BOARD, COMPLETE (WE405)	
* 171	A-2007-483-A	MD BOARD, COMPLETE (WR350Z/WR661)	
172	3-930-972-01	DETENT, HALF	
173	3-917-142-01	SPRING, COMPRESSION	
HP101	1-500-093-11	HEAD, MAGNETIC (PLAYBACK)	
HRPE101	1-500-094-11	HEAD, MAGNETIC (REC/PB/ERASE)	

5-5. TC MECHANISM SECTION 3
(WE405: TCM-220WR1
WR350Z, WR661: TCM-220WR4E)

● H: MOTOR BOARD
(Supplied with MD board)



Ref. No.	Part No.	Description	Remark
201	3-908-597-01	CAM (A)	
202	3-908-608-11	SCREW, STEP	
203	X-3367-590-2	ARM (A) ASSY, FR	
204	X-3370-169-1	FLYWHEEL (AR) ASSY	
205	3-928-047-01	PULLEY, TENSION	
206	3-908-599-01	LEVER (REV-A)	
207	3-908-601-01	SPRING (REV LEVER), TORSION	
208	3-908-603-01	LEVER (TRIGGER A)	
209	X-3370-170-1	FLYWHEEL (BF) ASSY	
210	3-908-605-01	SPRING (TRIGGER), TORSION	
211	3-908-609-01	GEAR, TRIGGER	
212	3-913-845-11	BELT (A)	
213	3-913-846-11	BELT (FR)	
214	X-3370-171-1	FLYWHEEL (BR) ASSY	
215	3-908-600-01	LEVER (REV-B)	

Ref. No.	Part No.	Description	Remark
* 216	1-650-669-11	LEAF SWITCH BOARD	
217	3-908-598-01	CAM (B)	
218	X-3369-849-2	ARM (B) ASSY, FR	
219	3-914-111-01	SPRING (FR), TORSION	
220	3-908-604-01	LEVER (TRIGGER B)	
221	3-911-115-01	WASHER, STOPPER	
222	X-3371-441-1	CHASSIS ASSY, MECHANICAL (TCM-220WR1)	
224	3-917-176-11	BELT (B)	
225	X-3370-172-1	FLYWHEEL (AF) ASSY	
* 226	A-2007-129-A	MD BOARD, COMPLETE (WE405)	
* 226	A-2007-483-A	MD BOARD, COMPLETE (WR350Z/WR661)	
M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	
M2	A-2004-410-A	MOTOR ASSY, DC (TRRIGER)	

LEAF SWITCH

MAIN

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA..., uPB...: μPB...,
  uPC...: μPC..., uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH
- Abbreviation
  CND : Canadian model
  G : German model
  IT : Italian model
  SP : Singapore model
  MY : Malaysia model
  AUS : Australian model
  CH : Chinese model

Ref.No.	Part No.	Description				Remark
*	1-650-669-11	LEAF SWITCH BOARD				
		**********				
		< CONNECTOR >				
* CN1001	1-568-854-11	SOCKET, CONNECTOR 11P				
		< TRANSISTOR >				
Q1001	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2				
Q1002	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2				
		< RESISTOR >				
R1001	1-249-412-11	CARBON	390	5%	1/4W	F
R1002	1-249-412-11	CARBON	390	5%	1/4W	F
R1003	1-249-414-11	CARBON	560	5%	1/4W	F
R1004	1-247-834-11	CARBON	1.3K	5%	1/4W	
R1005	1-247-818-11	CARBON	300	5%	1/4W	
		< SWITCH >				
S1001	1-692-832-11	SWITCH, PUSH (1 KEY) (A PLAY)				
S1002	1-692-832-11	SWITCH, PUSH (1 KEY) (B PLAY)				
S1003	1-572-248-11	SWITCH, LEAF (A HALF)				
S1004	1-571-281-21	SWITCH, LEAF (A CrO2)				
S1005	1-571-281-21	SWITCH, LEAF (REC A)				
S1006	1-572-248-11	SWITCH, LEAF (B HALF)				
S1007	1-571-281-21	SWITCH, LEAF (B METAL)				
S1008	1-571-281-21	SWITCH, LEAF (B CrO2)				
S1009	1-571-281-21	SWITCH, LEAF (REC B)				

****

Ref.No.	Part No.	Description				Remark
*	A-2007-484-A	MAIN BOARD, COMPLETE				
		**********				
						(WR350Z/WR661:US, CND)
*	A-2007-486-A	MAIN BOARD, COMPLETE				
		**********				
						(WR661:AEP, UK, G, IT)
*	A-2007-487-A	MAIN BOARD, COMPLETE (WR661:E)				
		**********				
*	A-2007-488-A	MAIN BOARD, COMPLETE				
		**********				
						(WE405:AEP, UK, G, CH, MY, SP)
*	A-2007-489-A	MAIN BOARD, COMPLETE (WE405:E)				
		**********				
*	A-2007-490-A	MAIN BOARD, COMPLETE (WE405:AUS)				
		**********				
*	A-2007-546-A	MAIN BOARD, COMPLETE (WE405:US, CND)				
		**********				
		MAIN (A) BOARD				
		MAIN (B) BOARD				
		MAIN (C) BOARD				
		MAIN (D) BOARD				
		MAIN (E) BOARD (US, CND, E, AUS)				
		MAIN (F) BOARD (EXCEPT US, CND, E, AUS)				
		MAIN (G) BOARD				
		**********				
*	3-931-428-01	HOLDER (FL)				
		< CAPACITOR >				
C102	1-124-925-11	ELECT	2.2uF	20%	100V	
C103	1-126-963-11	ELECT	4.7uF	20%	50V	
C104	1-102-122-21	CERAMIC	0.0027uF	10%	50V	
						(WR350Z/WR661)
C104	1-162-302-11	CERAMIC	0.0022uF	20%	16V	(WE405)
C106	1-126-964-11	ELECT	10uF	20%	50V	
C107	1-137-399-11	FILM	0.1uF	5%	50V	
C108	1-137-375-11	FILM	0.068uF	5%	50V	
C109	1-126-963-11	ELECT	4.7uF	20%	50V	
C110	1-124-902-00	ELECT	0.47uF	20%	50V	
C111	1-126-963-11	ELECT	4.7uF	20%	50V	

Ref. No.	Part No.	Description				Remark
C112	1-126-963-11	ELECT	4.7uF	20%	50V	
C113	1-124-925-11	ELECT	2.2uF	20%	100V	
C114	1-126-963-11	ELECT	4.7uF	20%	50V	
C115	1-162-294-31	CERAMIC	0.001uF	10%	50V	
			(WE405:AEP, UK, G, IT, CH, MY, SP)			
C117	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C202	1-124-925-11	ELECT	2.2uF	20%	100V	
C203	1-126-963-11	ELECT	4.7uF	20%	50V	
C204	1-102-122-21	CERAMIC	0.0027uF	10%	50V	
					(WR350Z/WR661)	
C204	1-162-302-11	CERAMIC	0.0022uF	20%	16V (WE405)	
C206	1-126-964-11	ELECT	10uF	20%	50V	
C207	1-137-399-11	FILM	0.1uF	5%	50V	
C208	1-137-375-11	FILM	0.068uF	5%	50V	
C209	1-126-963-11	ELECT	4.7uF	20%	50V	
C210	1-124-902-00	ELECT	0.47uF	20%	50V	
C211	1-126-963-11	ELECT	4.7uF	20%	50V	
C212	1-126-963-11	ELECT	4.7uF	20%	50V	
C213	1-124-925-11	ELECT	2.2uF	20%	100V	
C214	1-126-963-11	ELECT	4.7uF	20%	50V	
C215	1-162-294-31	CERAMIC	0.001uF	10%	50V	
			(WE405:AEP, UK, G, IT, CH, MY, SP)			
C217	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C501	1-124-903-11	ELECT	1uF	20%	50V	
C502	1-126-965-11	ELECT	22uF	20%	50V	
C507	1-126-964-11	ELECT	10uF	20%	50V	
C508	1-126-964-11	ELECT	10uF	20%	50V	
C509	1-126-964-11	ELECT	10uF	20%	50V	
C512	1-104-664-11	ELECT	47uF	20%	25V	
C513	1-126-935-11	ELECT	470uF	20%	16V	
					(WR350Z/WR661)	
C514	1-161-494-00	CERAMIC	0.022uF		25V (WE405)	
C701	1-126-946-11	ELECT	6800uF	20%	25V	
C702	1-126-946-11	ELECT	6800uF	20%	25V	
C703	1-124-903-11	ELECT	1uF	20%	50V	
C704	1-126-968-11	ELECT	100uF	20%	50V	
C705	1-128-551-11	ELECT	22uF	20%	25V	
C706	1-126-927-11	ELECT	2200uF	20%	10V	
C707	1-126-927-11	ELECT	2200uF	20%	10V	
C708	1-126-963-11	ELECT	4.7uF	20%	50V	
C710	1-126-916-11	ELECT	1000uF	20%	6.3V	
C711	1-126-965-11	ELECT	22uF	20%	50V	
⚠C712	1-113-925-51	ELECT	0.01uF	20%	250V	
		(WE405:AEP, UK, G, IT, CH, MY, SP/WR661:AEP, UK, G, IT)				
C714	1-161-494-00	CERAMIC	0.022uF		25V	
C801	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C802	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C806	1-164-159-11	CERAMIC	0.1uF		50V	
C807	1-161-494-00	CERAMIC	0.022uF		25V	
C808	1-161-494-00	CERAMIC	0.022uF		25V	
C809	1-161-494-00	CERAMIC	0.022uF		25V	
C810	1-161-494-00	CERAMIC	0.022uF		25V	
C811	1-126-935-11	ELECT	470uF	20%	6.3V	
C812	1-164-159-11	CERAMIC	0.1uF		50V	
C813	1-137-446-11	FILM	0.18uF	5%	50V	
C814	1-136-175-00	FILM	0.68uF	5%	50V	
C815	1-137-370-11	FILM	0.01uF	5%	50V	
C816	1-164-159-11	CERAMIC	0.1uF		50V	
C817	1-161-494-00	CERAMIC	0.022uF		25V	
C818	1-126-952-11	ELECT	1000uF	20%	16V	
C819	1-126-963-11	ELECT	4.7uF	20%	50V	
C901	1-126-967-11	ELECT	47uF	20%	10V	

< CONNECTOR >

* CN702	1-580-230-31	PIN, CONNECTOR (PC BOARD) 2P	
CN703	1-568-106-11	PIN, CONNECTOR 4P (WE405:E/WR661:E)	
CN705	1-568-226-11	PIN, CONNECTOR 2P	
		(WE405:AEP, UK, G, IT, CH, MY, SP/WR661:AEP, UK, G, IT)	
CNA501	1-506-468-11	PIN, CONNECTOR 3P (WE405)	
* CNA808	1-568-954-11	PIN, CONNECTOR 5P	
		(WE405:US, CND, E, AUS/WR350Z/WR661:US, CND, E)	
* CNF802	1-568-845-11	SOCKET, CONNECTOR 31P	
CNF803	1-568-838-11	SOCKET, CONNECTOR 21P	
* CNF804	1-568-830-11	SOCKET, CONNECTOR 11P	
* CNF805	1-568-830-11	SOCKET, CONNECTOR 11P	
* CNF806	1-568-830-11	SOCKET, CONNECTOR 11P	
* CNF807	1-568-873-11	SOCKET, CONNECTOR 31P	
CNM701	1-766-269-11	PIN, CONNECTOR (PC BOARD) 7P	

< DIODE >

D101	8-719-933-33	DIODE	HZS6A1L
D201	8-719-933-33	DIODE	HZS6A1L
D501	8-719-987-63	DIODE	1N4148M
D701	8-719-024-99	DIODE	11ES2-NTA2B
D702	8-719-024-99	DIODE	11ES2-NTA2B
D703	8-719-024-99	DIODE	11ES2-NTA2B
D704	8-719-024-99	DIODE	11ES2-NTA2B
D705	8-719-987-63	DIODE	1N4148M
D706	8-719-987-63	DIODE	1N4148M
D707	8-719-024-99	DIODE	11ES2-NTA2B
D708	8-719-987-63	DIODE	1N4148M
D709	8-719-933-33	DIODE	HZS6A1L
D710	8-719-000-54	DIODE	UZL-6L3
D711	8-719-933-33	DIODE	HZS6A1L
D712	8-719-933-38	DIODE	HZS6B3L
D713	8-719-987-63	DIODE	1N4148M
D714	8-719-987-63	DIODE	1N4148M
D715	8-719-987-63	DIODE	1N4148M
D716	8-719-000-78	DIODE	UZL-7L2
D718	8-719-933-33	DIODE	HZS6A1L
D901	8-719-313-48	DIODE	SEL6210S-TH12 (AUTO)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description	Remark
		< FLUORESCENT INDICATOR >	
FLT901	1-517-491-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC501	8-752-075-27	IC CXA1878Q	
IC502	8-759-634-51	IC M5218AP (WE405)	
IC701	8-759-634-51	IC M5218AP	
IC801	8-759-370-82	IC M38172M4-156FP	
IC802	8-759-634-51	IC M5218AP	
IC803	8-759-165-82	IC PST600E-T	
IC804	8-759-822-09	IC LB1641	
IC806	8-759-000-48	IC MC14052BCP	
IC901	8-741-780-51	IC SBX1780-51	
		< JACK >	
J501	1-770-614-11	JACK, PIN 4P (LINE IN, OUT)	
J502	1-750-733-11	JACK (LARGE TYPE) (PHONES) (WE405)	
		< FILTER >	
LPF101	1-235-175-11	FILTER, LOW PASS (WE405)	
LPF101	1-239-355-11	FILTER, LOW PASS (WR350Z/WR661)	
LPF201	1-235-175-11	FILTER, LOW PASS (WE405)	
LPF201	1-239-355-11	FILTER, LOW PASS (WR350Z/WR661)	
		< TRANSISTOR >	
Q101	8-729-206-28	TRANSISTOR RN1210	
Q102	8-729-142-25	TRANSISTOR 2SD1020-HFE	
Q201	8-729-206-28	TRANSISTOR RN1210	
Q202	8-729-142-25	TRANSISTOR 2SD1020-HFE	
Q501	8-729-900-65	TRANSISTOR DTA144ES	
Q701	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q702	8-729-209-15	TRANSISTOR 2SD2012	
Q703	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q704	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q705	8-729-900-80	TRANSISTOR DTC114ES (WE405:US, CND, E, AUS/WR350Z/WR661:US, CND, E)	
Q706	8-729-900-80	TRANSISTOR DTC114ES (WE405:US, CND, E, AUS/WR350Z/WR661:US, CND, E)	
Q707	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q708	8-729-140-04	TRANSISTOR 2SB1116A-L	
Q801	8-729-206-28	TRANSISTOR RN1210 (WE405:US, CND, E, AUS/WR350Z/WR661:US, CND, E)	
Q802	8-729-900-89	TRANSISTOR DTC144ES	
Q803	8-729-801-93	TRANSISTOR 2SD1387	
Q804	8-729-900-61	TRANSISTOR DTA114ES	
Q805	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q806	8-729-900-89	TRANSISTOR DTC144ES	
Q807	8-729-206-28	TRANSISTOR RN1210	
Q808	8-729-119-76	TRANSISTOR 2SA1175-HFE	

Ref. No.	Part No.	Description				Remark
		< RESISTOR >				
R101	1-249-429-11	CARBON	10K	5%	1/4W	
R102	1-247-887-00	CARBON	220K	5%	1/4W	
R103	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R104	1-247-887-00	CARBON	220K	5%	1/4W	
R105	1-247-848-11	CARBON	5.1K	5%	1/4W	
R106	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R107	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R108	1-249-430-11	CARBON	12K	5%	1/4W	
R109	1-249-417-11	CARBON	1K	5%	1/4W	F
R110	1-249-429-11	CARBON	10K	5%	1/4W	
R111	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R112	1-249-417-11	CARBON	1K	5%	1/4W	F
R113	1-249-439-11	CARBON	68K	5%	1/4W	
R114	1-249-429-11	CARBON	10K	5%	1/4W	
R115	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R116	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R117	1-249-433-11	CARBON	22K	5%	1/4W	(WE405)
R118	1-249-437-11	CARBON	47K	5%	1/4W	(WE405)
R119	1-249-433-11	CARBON	22K	5%	1/4W	(WE405)
R120	1-249-409-11	CARBON	220	5%	1/4W	F (WE405)
R121	1-247-872-11	CARBON	51K	5%	1/4W	
R201	1-249-429-11	CARBON	10K	5%	1/4W	
R202	1-247-887-00	CARBON	220K	5%	1/4W	
R203	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R204	1-247-887-00	CARBON	220K	5%	1/4W	
R205	1-247-848-11	CARBON	5.1K	5%	1/4W	
R206	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R207	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R208	1-249-430-11	CARBON	12K	5%	1/4W	
R209	1-249-417-11	CARBON	1K	5%	1/4W	F
R210	1-249-429-11	CARBON	10K	5%	1/4W	
R211	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R212	1-249-417-11	CARBON	1K	5%	1/4W	F
R213	1-249-439-11	CARBON	68K	5%	1/4W	
R214	1-249-429-11	CARBON	10K	5%	1/4W	
R215	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R216	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R217	1-249-433-11	CARBON	22K	5%	1/4W	(WE405)
R218	1-249-437-11	CARBON	47K	5%	1/4W	(WE405)
R219	1-249-433-11	CARBON	22K	5%	1/4W	(WE405)
R220	1-249-409-11	CARBON	220	5%	1/4W	F (WE405)
R221	1-247-872-11	CARBON	51K	5%	1/4W	
R501	1-215-452-00	METAL	20K	1%	1/4W	
R502	1-215-455-00	METAL	27K	1%	1/4W	
R505	1-249-413-11	CARBON	470	5%	1/4W	F
R506	1-249-429-11	CARBON	10K	5%	1/4W	
R507	1-249-437-11	CARBON	47K	5%	1/4W	
R509	1-249-417-11	CARBON	1K	5%	1/4W	F
R510	1-247-807-31	CARBON	100	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R517	1-249-410-11	CARBON	270	5%	1/4W	F
R520	1-249-437-11	CARBON	47K	5%	1/4W	
R701	1-249-414-11	CARBON	560	5%	1/4W	F
R702	1-249-429-11	CARBON	10K	5%	1/4W	
		(WE405:US, CND, E, AUS/WR350Z/WR661:US, CND, E)				
R704	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R705	1-247-852-11	CARBON	7.5K	5%	1/4W	
R706	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R707	1-249-429-11	CARBON	10K	5%	1/4W	
R708	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R709	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R710	1-249-417-11	CARBON	1K	5%	1/4W	F
R711	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R712	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R713	1-249-417-11	CARBON	1K	5%	1/4W	F
R714	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R715	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R716	1-249-430-11	CARBON	12K	5%	1/4W	
R717	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R718	1-249-429-11	CARBON	10K	5%	1/4W	
R719	1-249-437-11	CARBON	47K	5%	1/4W	
R720	1-249-413-11	CARBON	470	5%	1/4W	F
R721	1-249-421-11	CARBON	2.2K	5%	1/4W	F
⚠R722	1-219-137-11	FUSIBLE	0.33	10%	1/4W	
⚠R723	1-217-371-00	FUSIBLE	0.47	10%	1/4W	
R724	1-249-409-11	CARBON	220	5%	1/4W	F
⚠R725	1-219-137-11	FUSIBLE	0.33	10%	1/4W	
R801	1-249-433-11	CARBON	22K	5%	1/4W	
R802	1-247-807-31	CARBON	100	5%	1/4W	
R803	1-249-429-11	CARBON	10K	5%	1/4W	
R804	1-249-433-11	CARBON	22K	5%	1/4W	
R805	1-249-433-11	CARBON	22K	5%	1/4W	
R806	1-247-895-00	CARBON	470K	5%	1/4W	
R807	1-247-895-00	CARBON	470K	5%	1/4W	
R808	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R809	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R810	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R811	1-249-417-11	CARBON	1K	5%	1/4W	F
R812	1-249-436-11	CARBON	39K	5%	1/4W	
R813	1-249-436-11	CARBON	39K	5%	1/4W	
R814	1-249-441-11	CARBON	100K	5%	1/4W	
R815	1-249-429-11	CARBON	10K	5%	1/4W	
R816	1-249-429-11	CARBON	10K	5%	1/4W	
R817	1-249-429-11	CARBON	10K	5%	1/4W	
R818	1-249-429-11	CARBON	10K	5%	1/4W	
R819	1-249-407-11	CARBON	150	5%	1/4W	F
R820	1-249-437-11	CARBON	47K	5%	1/4W	
R821	1-249-437-11	CARBON	47K	5%	1/4W	
R822	1-249-437-11	CARBON	47K	5%	1/4W	
R825	1-249-418-11	CARBON	1.2K	5%	1/4W	F

Ref. No.	Part No.	Description				Remark
R826	1-249-429-11	CARBON	10K	5%	1/4W	
R827	1-249-429-11	CARBON	10K	5%	1/4W	
R828	1-249-431-11	CARBON	15K	5%	1/4W	
R829	1-249-414-11	CARBON	560	5%	1/4W	F
R830	1-249-433-11	CARBON	22K	5%	1/4W	
R831	1-249-433-11	CARBON	22K	5%	1/4W	
R832	1-249-429-11	CARBON	10K	5%	1/4W	
R833	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R834	1-249-435-11	CARBON	33K	5%	1/4W	(WE405)
R835	1-249-432-11	CARBON	18K	5%	1/4W	(WE405)
R836	1-249-426-11	CARBON	5.6K	5%	1/4W	(WE405)
R837	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R838	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R839	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R840	1-249-433-11	CARBON	22K	5%	1/4W	
R841	1-249-433-11	CARBON	22K	5%	1/4W	
R842	1-249-417-11	CARBON	1K	5%	1/4W	F (WE405)
R844	1-249-429-11	CARBON	10K	5%	1/4W	(WR350Z/WR661)
R845	1-249-416-11	CARBON	820	5%	1/4W	F (WR350Z/WR661)
R846	1-249-426-11	CARBON	5.6K	5%	1/4W	(WR350Z/WR661)
R847	1-249-433-11	CARBON	22K	5%	1/4W	(WR350Z/WR661)
R849	1-249-441-11	CARBON	100K	5%	1/4W	
R902	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R903	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R904	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R905	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R906	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R907	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R908	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R909	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R910	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R911	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R912	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R913	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R914	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R915	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R916	1-249-413-11	CARBON	470	5%	1/4W	F
R917	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R918	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R919	1-247-807-31	CARBON	100	5%	1/4W	
R920	1-249-407-11	CARBON	150	5%	1/4W	F

< VARIABLE RESISTOR >

RV101	1-241-630-11	RES, ADJ, CARBON 10K
RV201	1-241-630-11	RES, ADJ, CARBON 10K
RV501	1-241-797-11	RES, VAR, CARBON 20K (REC LEVEL)

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MAIN MD

Ref.No.	Part No.	Description	Remark
		< SWITCH >	
⚠S701	1-762-581-11	SWITCH, AC POWER PUSH (1 KEY) (POWER) (WE405:AEP, UK, G, IT, CH, MY, SP/WR661:AEP, UK, G, IT)	
⚠S901	1-762-580-11	SWITCH, PUSH (1 KEY) (POWER) (WE405:US, CND, E, AUS/WR350Z/WR661:US, CND, E)	
S902	1-762-567-11	SWITCH, SLIDE (DIRECTION)	
S903	1-762-567-11	SWITCH, SLIDE (DOLBY NR)	
S904	1-554-303-21	SWITCH, TACTILE (■ DECK A)	
S905	1-554-303-21	SWITCH, TACTILE (▷ DECK A)	
S906	1-554-303-21	SWITCH, TACTILE (◁ DECK A)	
S907	1-554-303-21	SWITCH, TACTILE (DECK A, COUNTER RESET)	
S908	1-554-303-21	SWITCH, TACTILE (◀◀ DECK A)	
S909	1-554-303-21	SWITCH, TACTILE (▶▶ DECK A)	
S910	1-554-303-21	SWITCH, TACTILE (DECK B, COUNTER RESET)	
S911	1-554-303-21	SWITCH, TACTILE (◀◀ DECK B)	
S912	1-554-303-21	SWITCH, TACTILE (▶▶ DECK B)	
S913	1-554-303-21	SWITCH, TACTILE (REC ● DECK B)	
S914	1-554-303-21	SWITCH, TACTILE (PAUSE ▮▮ DECK B)	
S915	1-554-303-21	SWITCH, TACTILE (REC MUTE ○ DECK B)	
S916	1-554-303-21	SWITCH, TACTILE (HIGH/NORMAL DECK B)	
S917	1-554-303-21	SWITCH, TACTILE (■ DECK B)	
S918	1-554-303-21	SWITCH, TACTILE (▷ DECK B)	
S919	1-554-303-21	SWITCH, TACTILE (◁ DECK B)	
S920	1-554-303-21	SWITCH, TACTILE (ARL)	
S921	1-554-303-21	SWITCH, TACTILE (FADER)	
		< TRANSFORMER >	
⚠T901	1-429-387-11	TRANSFORMER, POWER (WE405:US, CND/WR350Z/WR661:US, CND)	
⚠T901	1-429-388-11	TRANSFORMER, POWER (WE405:AEP, UK, G, AUS, CH, MY, SP/WR661:AEP, UK, G, IT)	
⚠T901	1-429-389-11	TRANSFORMER, POWER (WE405:E/WR661:E)	
		< TEST PIN >	
* TP801	1-560-060-00	PIN, CONNECTOR 2P	
		< VIBRATOR >	
X801	1-577-358-21	VIBRATOR, CERAMIC (4MHz)	
**********			
	A-2007-129-A	MD BOARD, COMPLETE (WE405) ********** (including MOTOR board)	
		< CAPACITOR >	
C301	1-162-289-31	CERAMIC 390PF 10% 50V	
C303	1-162-282-31	CERAMIC 100PF 10% 50V	
C304	1-130-487-00	MYLAR 0.022uF 5% 50V	
C305	1-124-234-00	ELECT 22uF 20% 16V	
C311	1-162-289-31	CERAMIC 390PF 10% 50V	
C313	1-162-282-31	CERAMIC 100PF 10% 50V	
C314	1-130-487-00	MYLAR 0.022uF 5% 50V	
C315	1-126-233-11	ELECT 22uF 20% 50V	
C331	1-107-609-11	CERAMIC 75PF 5% 500V	
C332	1-162-288-31	CERAMIC 330PF 10% 50V	
C341	1-161-494-00	CERAMIC 0.022uF 25V	
C342	1-136-165-00	FILM 0.1uF 5% 50V	
C343	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C344	1-130-472-00	MYLAR 0.0012uF 5% 50V	
C345	1-102-973-00	CERAMIC 100PF 5% 50V	
C346	1-136-356-11	FILM 470PF 5% 100V	
C401	1-162-289-31	CERAMIC 390PF 10% 50V	
C403	1-162-282-31	CERAMIC 100PF 10% 50V	
C404	1-130-487-00	MYLAR 0.022uF 5% 50V	
C405	1-124-234-00	ELECT 22uF 20% 16V	
C411	1-162-289-31	CERAMIC 390PF 10% 50V	
C413	1-162-282-31	CERAMIC 100PF 10% 50V	
C414	1-130-487-00	MYLAR 0.022uF 5% 50V	
C415	1-126-233-11	ELECT 22uF 20% 50V	
C431	1-107-609-11	CERAMIC 75PF 5% 500V	
C432	1-162-288-31	CERAMIC 330PF 10% 50V	
C441	1-161-494-00	CERAMIC 0.022uF 25V	
C442	1-136-165-00	FILM 0.1uF 5% 50V	
C443	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C444	1-130-472-00	MYLAR 0.0012uF 5% 50V	
C445	1-102-973-00	CERAMIC 100PF 5% 50V	
C446	1-136-356-11	FILM 470PF 5% 100V	
C601	1-124-907-11	ELECT 10uF 20% 50V	
C602	1-124-907-11	ELECT 10uF 20% 50V	
C611	1-124-907-11	ELECT 10uF 20% 50V	
C612	1-124-907-11	ELECT 10uF 20% 50V	
C621	1-136-293-11	FILM 0.0082uF 5% 100V	
C622	1-136-173-00	FILM 0.47uF 5% 50V	
C623	1-130-299-00	FILM 0.012uF 5% 50V	
C624	1-137-436-11	FILM 0.0039uF 5% 50V	
C625	1-137-436-11	FILM 0.0039uF 5% 50V	
C641	1-126-233-11	ELECT 22uF 20% 50V	
C642	1-104-664-11	ELECT 47uF 20% 16V	
C643	1-124-465-00	ELECT 0.47uF 20% 50V	
C644	1-107-584-11	CERAMIC 4PF 0.25PF 500V	
C651	1-161-494-00	CERAMIC 0.022uF 25V	
		< CONNECTOR >	
* CN601	1-568-864-11	SOCKET, CONNECTOR 21P	
* CN651	1-564-521-11	PLUG, CONNECTOR 6P	
		< DIODE >	
D601	8-719-987-63	DIODE 1N4148M	

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Ref.No.	Part No.	Description				Remark
		< IC >				
IC601	8-759-710-59	IC NJM4580D-D				
IC611	8-759-710-59	IC NJM4580D-D				
IC641	8-759-106-56	IC uPC1297CA				
		< COIL >				
L331	1-410-780-11	INDUCTOR	27mH			
L431	1-410-780-11	INDUCTOR	27mH			
		< MOTOR >				
M2	A-2004-410-A	MOTOR ASSY, DC (TRIGGER)				
		< TRANSISTOR >				
Q621	8-729-194-57	TRANSISTOR	2SC945-P			
Q622	8-729-194-57	TRANSISTOR	2SC945-P			
Q623	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q651	8-729-900-65	TRANSISTOR	DTA144ES			
		< RESISTOR >				
R301	1-247-881-00	CARBON	120K	5%	1/4W	
R302	1-247-807-31	CARBON	100	5%	1/4W	
R304	1-247-882-11	CARBON	130K	5%	1/4W	
R305	1-247-850-11	CARBON	6.2K	5%	1/4W	
R311	1-247-881-00	CARBON	120K	5%	1/4W	
R312	1-247-807-31	CARBON	100	5%	1/4W	
R314	1-247-882-11	CARBON	130K	5%	1/4W	
R315	1-247-850-11	CARBON	6.2K	5%	1/4W	
R331	1-249-430-11	CARBON	12K	5%	1/4W	
R341	1-249-429-11	CARBON	10K	5%	1/4W	
R342	1-249-435-11	CARBON	33K	5%	1/4W	
R343	1-247-883-00	CARBON	150K	5%	1/4W	
⚠R344	1-212-857-00	FUSIBLE	10	5%	1/4W	F
R401	1-247-881-00	CARBON	120K	5%	1/4W	
R402	1-247-807-31	CARBON	100	5%	1/4W	
R404	1-247-882-11	CARBON	130K	5%	1/4W	
R405	1-247-850-11	CARBON	6.2K	5%	1/4W	
R411	1-247-881-00	CARBON	120K	5%	1/4W	
R412	1-247-807-31	CARBON	100	5%	1/4W	
R414	1-247-882-11	CARBON	130K	5%	1/4W	
R415	1-247-850-11	CARBON	6.2K	5%	1/4W	
R431	1-249-430-11	CARBON	12K	5%	1/4W	
R441	1-249-429-11	CARBON	10K	5%	1/4W	
R442	1-249-435-11	CARBON	33K	5%	1/4W	
R443	1-247-883-00	CARBON	150K	5%	1/4W	
⚠R444	1-212-857-00	FUSIBLE	10	5%	1/4W	F
R601	1-249-409-11	CARBON	220	5%	1/4W	F
R602	1-249-409-11	CARBON	220	5%	1/4W	F
R611	1-249-409-11	CARBON	220	5%	1/4W	F
R612	1-249-409-11	CARBON	220	5%	1/4W	F

Ref.No.	Part No.	Description				Remark
⚠R621	1-212-851-00	FUSIBLE	5.6	5%	1/4W	F
⚠R622	1-212-851-00	FUSIBLE	5.6	5%	1/4W	F
R623	1-249-440-11	CARBON	82K	5%	1/4W	
R624	1-249-440-11	CARBON	82K	5%	1/4W	
R625	1-249-429-11	CARBON	10K	5%	1/4W	
R626	1-249-429-11	CARBON	10K	5%	1/4W	
R651	1-247-856-00	CARBON	11K	5%	1/4W	
R652	1-247-856-00	CARBON	11K	5%	1/4W	
R653	1-249-441-11	CARBON	100K	5%	1/4W	
		< VARIABLE RESISTOR >				
RV301	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV311	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV341	1-241-786-11	RES, ADJ, CARBON 22K				
RV401	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV411	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV441	1-241-786-11	RES, ADJ, CARBON 22K				
RV651	1-238-599-11	RES, ADJ, CARBON 4.7K				
RV652	1-238-599-11	RES, ADJ, CARBON 4.7K				
		< RELAY >				
RY601	1-515-913-11	RELAY				
		< TRANSFORMER >				
T341	1-433-381-11	TRANSFORMER, BIAS OSCILLATOR				
T441	1-433-381-11	TRANSFORMER, BIAS OSCILLATOR				
T621	1-429-222-11	TRANSFORMER, BIAS OSCILLATION				
		< TEST PIN >				
* TP341	1-568-449-11	HOUSING, CONNECTOR (PC BOARD) 3P				
**********						
*	A-2007-483-A	MD BOARD, COMPLETE (WR350Z/WR661)				
		********** (including MOTOR board)				
		MOTOR BOARD				
		< CAPACITOR >				
C301	1-162-289-31	CERAMIC	390PF	10%	50V	
C302	1-126-968-11	ELECT	100uF	20%	6.3V	
C303	1-162-282-31	CERAMIC	100PF	10%	50V	
C304	1-130-483-00	MYLAR	0.01uF	5%	50V	
C305	1-107-715-11	ELECT	22uF	20%	16V	
C311	1-162-289-31	CERAMIC	390PF	10%	50V	
C313	1-162-282-31	CERAMIC	100PF	10%	50V	
C314	1-130-487-00	MYLAR	0.022uF	5%	50V	
C315	1-126-233-11	ELECT	22uF	20%	50V	
C331	1-136-434-11	FILM	120PF	5%	630V	
C332	1-162-288-31	CERAMIC	330PF	10%	50V	

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Ref.No.	Part No.	Description				Remark
C333	1-162-217-31	CERAMIC	56PF	5%	50V	
C334	1-162-217-31	CERAMIC	56PF	5%	50V	
C401	1-162-289-31	CERAMIC	390PF	10%	50V	
C402	1-126-968-11	ELECT	100uF	20%	6.3V	
C403	1-162-282-31	CERAMIC	100PF	10%	50V	
C404	1-130-483-00	MYLAR	0.01uF	5%	50V	
C411	1-162-289-31	CERAMIC	390PF	10%	50V	
C413	1-162-282-31	CERAMIC	100PF	10%	50V	
C414	1-130-487-00	MYLAR	0.022uF	5%	50V	
C415	1-126-233-11	ELECT	22uF	20%	50V	
C431	1-136-434-11	FILM	120PF	5%	630V	
C432	1-162-288-31	CERAMIC	330PF	10%	50V	
C433	1-162-217-31	CERAMIC	56PF	5%	50V	
C434	1-162-217-31	CERAMIC	56PF	5%	50V	
C601	1-126-157-11	ELECT	10uF	20%	16V	
C602	1-126-157-11	ELECT	10uF	20%	16V	
C611	1-124-907-11	ELECT	10uF	20%	50V	
C612	1-124-907-11	ELECT	10uF	20%	50V	
C621	1-137-150-11	FILM	0.01uF	5%	100V	
C622	1-126-961-11	ELECT	2.2uF	20%	50V	
C623	1-136-155-00	FILM	0.015uF	5%	50V	
C624	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C625	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C627	1-124-903-11	ELECT	1uF	20%	50V	
C628	1-136-153-00	FILM	0.01uF	5%	50V	
C642	1-104-664-11	ELECT	47uF	20%	16V	
C651	1-161-494-00	CERAMIC	0.022uF		25V	
		< CONNECTOR >				
* CN601	1-568-864-11	SOCKET, CONNECTOR 21P				
* CN651	1-564-521-11	PLUG, CONNECTOR 6P				
		< IC >				
IC601	8-759-710-59	IC NJM4580D-D				
IC602	8-759-143-54	IC uPC1330HA				
IC611	8-759-710-59	IC NJM4580D-D				
		< COIL >				
L331	1-410-780-11	INDUCTOR	27mH			
L431	1-410-780-11	INDUCTOR	27mH			
		< MOTOR >				
M2	A-2004-410-A	MOTOR ASSY, DC (TRIGGER)				
		< TRANSISTOR >				
Q621	8-729-142-46	TRANSISTOR	2SC2001-LK			
Q622	8-729-142-46	TRANSISTOR	2SC2001-LK			
Q623	8-729-801-93	TRANSISTOR	2SD1387			
Q651	8-729-900-65	TRANSISTOR	DTA144ES			

Ref.No.	Part No.	Description				Remark
		< RESISTOR >				
R301	1-247-881-00	CARBON	120K	5%	1/4W	
R302	1-249-409-11	CARBON	220	5%	1/4W	F
R303	1-249-433-11	CARBON	22K	5%	1/4W	
R304	1-247-889-00	CARBON	270K	5%	1/4W	
R305	1-247-858-11	CARBON	13K	5%	1/4W	
R311	1-247-881-00	CARBON	120K	5%	1/4W	
R312	1-247-807-31	CARBON	100	5%	1/4W	
R314	1-247-882-11	CARBON	130K	5%	1/4W	
R315	1-247-850-11	CARBON	6.2K	5%	1/4W	
R331	1-249-430-11	CARBON	12K	5%	1/4W	
R401	1-247-881-00	CARBON	120K	5%	1/4W	
R402	1-249-409-11	CARBON	220	5%	1/4W	F
R403	1-249-433-11	CARBON	22K	5%	1/4W	
R404	1-247-889-00	CARBON	270K	5%	1/4W	
R405	1-247-858-11	CARBON	13K	5%	1/4W	
R411	1-247-881-00	CARBON	120K	5%	1/4W	
R412	1-247-807-31	CARBON	100	5%	1/4W	
R414	1-247-882-11	CARBON	130K	5%	1/4W	
R415	1-247-850-11	CARBON	6.2K	5%	1/4W	
R431	1-249-430-11	CARBON	12K	5%	1/4W	
R601	1-249-409-11	CARBON	220	5%	1/4W	F
R602	1-249-409-11	CARBON	220	5%	1/4W	F
R608	1-249-409-11	CARBON	220	5%	1/4W	F
R609	1-249-433-11	CARBON	22K	5%	1/4W	
R611	1-249-409-11	CARBON	220	5%	1/4W	F
R612	1-249-409-11	CARBON	220	5%	1/4W	F
⚠R621	1-212-851-00	FUSIBLE	5.6	5%	1/4W	F
⚠R622	1-212-851-00	FUSIBLE	5.6	5%	1/4W	F
R623	1-249-432-11	CARBON	18K	5%	1/4W	
R624	1-249-432-11	CARBON	18K	5%	1/4W	
R625	1-249-429-11	CARBON	10K	5%	1/4W	
R651	1-247-856-00	CARBON	11K	5%	1/4W	
R652	1-247-856-00	CARBON	11K	5%	1/4W	
R653	1-249-441-11	CARBON	100K	5%	1/4W	
		< VARIABLE RESISTOR >				
RV301	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV311	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV341	1-238-551-11	RES, ADJ, CARBON 220K				
RV401	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV411	1-238-598-11	RES, ADJ, CARBON 2.2K				
RV441	1-238-551-11	RES, ADJ, CARBON 220K				
RV651	1-238-599-11	RES, ADJ, CARBON 4.7K				
RV652	1-238-599-11	RES, ADJ, CARBON 4.7K				
		< TRANSFORMER >				
T621	1-423-980-11	TRANSFORMER, BIAS OSCILLATION				

****

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
⚠7	1-558-945-21	CORD, POWER (POLAR. SPT-1) (WE405:US, CND, E/WR350Z/WR661:US, CND)	
⚠7	1-575-651-21	CORD, POWER (WE405:AEP, CH, MY, SP, G/WR661:AEP, G, IT)	
⚠7	1-696-027-11	CORD, POWER (WE405:E/WR661:E)	
⚠7	1-696-845-11	CORD, POWER (WE405:AUS)	
⚠7	1-751-523-11	CORD, POWER (WE405:UK)	
⚠7	1-769-639-11	CORD, POWER (WR661:UK)	
⚠8	1-569-007-11	ADAPTER, CONVERSION 2P (WE405:E/WR661:E)	
67	1-773-332-11	WIRE (FLAT TYPE) (31 CORE)	
68	1-769-950-11	WIRE (FLAT TYPE) (11 CORE)	
69	1-773-153-11	WIRE (FLAT TYPE) (21 CORE)	
FLT901	1-517-491-11	INDICATOR TUBE, FLUORESCENT	
HP101	1-500-093-11	HEAD, MAGNETIC (PLAYBACK)	
HRPE101	1-500-094-11	HEAD, MAGNETIC (REC/PB/ERASE)	
M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	
M2	A-2004-410-A	MOTOR ASSY, DC (TRRIGER)	
⚠T901	429-387-11	TRANSFORMER, POWER (WE405:US, CND/WR350Z/WR661:US, CND)	
⚠T901	429-388-11	TRANSFORMER, POWER (WE405:AEP, CH, MY, SP, UK, G, AUS/WR661:AEP, UK, G, IT)	
⚠T901	429-389-11	TRANSFORMER, POWER (WE405:E/WR661:E)	
⚠VS901	692-155-11	SELECTOR, POWER VOLTAGE (WE405:E/WR661:E)	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-551-734-11	CORD, CONNECTION (158cm AUDIO)	
	3-810-312-11	MANUAL, INSTRUCTION (ENGLISH) (WE405:US, CND, UK, AUS/WR350Z/WR661:US, CND)	
	3-810-312-21	MANUAL, INSTRUCTION (FRENCH) (CND)	
	3-810-312-31	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (WE405:AEP, CH, MY, SP, E)	
	3-810-312-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (WE405:AEP, CH, MY, SP)	
	3-810-312-51	MANUAL, INSTRUCTION (GERMAN) (WE405:G)	
	3-810-312-61	MANUAL, INSTRUCTION (CHINESE) (WE405:E)	
	3-810-312-71	MANUAL, INSTRUCTION (ARABIC) (WR661:E)	
*	3-932-083-01	CUSHION	
*	3-932-085-01	INDIVIDUAL CARTON (WE405/WR350Z:CND)	
*	3-932-086-01	INDIVIDUAL CARTON (WR661:AEP, UK, G, IT)	
*	3-932-087-01	INDIVIDUAL CARTON (WR350Z:US)	
*	3-934-928-01	INDIVIDUAL CARTON (WR661:US, CND)	
**********			

Ref. No.	Part No.	Description	Remark
		**********	
		HARDWARE LIST	
		**********	
#1	7-682-548-04	SCREW +BVTT 3X8 (S)	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#4	7-685-134-19	SCREW (+ PTPWH) (2.6X8) (WE405/WR350Z)	
#5	7-621-770-67	SCREW +BVTT 2.6X6 (S)	
#6	7-685-131-19	SCREW +BTP 2.6X4 TYPE2 N-S	
#7	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
#8	7-621-775-10	SCREW +B 2.6X4	
#9	7-621-775-00	SCREW +B 2.6X3	
#10	7-623-921-01	RING, RETAINING, CAPSTAN	
#11	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S	

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Consumer A&V Products Company
Home A&V Products Div.

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Quality Engineering Dept.

TC-WE405/WR350Z/WR661

SONY
SERVICE MANUAL

US Model
Canadian Model
TC-WE405/WR350Z/WR661
AEP Model
UK Model
E Model
Australian Model
TC-WE405/WR661
Chinese Model
TC-WE405

SUPPLEMENT-1

File this supplement with the service manual.

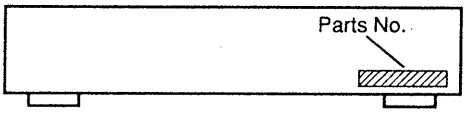
Subject : 1. CORRECTION
2. MODEL ADDITION (TC-WR661 : Singapore, Australian model)
3. PARTS CHANGE

(ECN-TC600191)

- The suffix of MAIN board has changed from suffix-[11] to [12]. The large change cannot be find with this change, so it is not notified.
  The common changes of suffix-[11] and [12] are notified in this supplement.

MODEL IDENTIFICATION

— BACK PANEL —



TC-WE405

MODEL	PARTS No.
US	3-931-433-0□
CND	3-931-433-1□
AEP, G, MY, SP, CH	3-931-433-2□
UK	3-931-433-3□
E	3-931-433-4□
AUS	3-931-433-5□

TC-WR350Z

MODEL	PARTS No.
US	3-934-887-0□
CND	3-934-887-1□

TC-WR661

MODEL	PARTS No.
US	3-931-436-0□
CND	3-931-436-1□
AEP, G, IT	3-931-436-2□
UK	3-931-436-3□
E	3-931-436-4□
AUS	3-931-436-5□
SP	3-931-436-6□

- Abbreviation
  CND : Canadian model.
  G : German model.
  IT : Italian model.
  SP : Singapore model.
  MY : Malaysia model.
  AUS : Australian model.
  CH : Chinese model.

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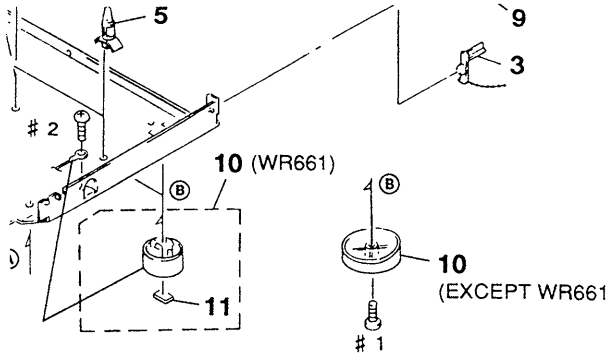
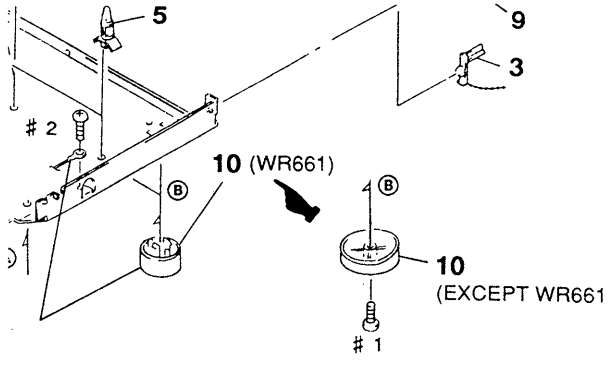
Sony Corporation
Home A&V Products Company

1. CORRECTION

- Correct your Service Manual as shown below.

☛: Indicates corrected portion

<table>
<tr><th>Page</th><th>INCORRECT</th><th>CORRECT</th></tr>
<tr><td>6</td><td>Torque Measurement
<table>
<tr><th>Torque</th><th>Torque meter</th><th>Meter reading</th></tr>
<tr><td>FWD tension</td><td>CQ-403Q</td><td>100g • cm or more
(1.39 oz • inch or more)</td></tr>
<tr><td>REV tension</td><td>CQ-403R</td><td>100g • cm or more
(1.39 oz • inch or more)</td></tr>
</table></td><td>Torque Measurement
<table>
<tr><th>Torque</th><th>Torque meter</th><th>Meter reading</th></tr>
<tr><td>FWD tension</td><td>CQ-403Q</td><td>100g or more
(3.53 oz or more)</td></tr>
<tr><td>REV tension</td><td>CQ-403R</td><td>100g or more
(3.53 oz or more)</td></tr>
</table></td></tr>
<tr><td>29</td><td>Ref.No Part No Description Remark
*** EXPLODED VIEWS ***
11 4-977-358-01 CUSHION (8X12.5)(WE405/WR350Z)
 
</td><td>Ref.No Part No Description Remark
*** EXPLODED VIEWS ***
not supplied
 
</td></tr>
<tr><td></td><td>⚠T901 429-387-11 TRANSFORMER, POWER
(WE405:US, CND/WR350Z/WR661:US, CND)
⚠T901 429-388-11 TRANSFORMER, POWER
(WE405:AEP, CH, MY, SP, UK, G, AUS/WR661:AEP, SP, UK, G, IT)
⚠T901 429-389-11 TRANSFORMER, POWER (WE405:E/WR661:E)
⚠VS901 692-155-11 SELECTOR, POWER VOLTAGE
(WE405:E/WR661:E)</td><td>⚠T901 1-429-387-11 TRANSFORMER, POWER
(WE405:US, CND/WR350Z/WR661:US, CND)
⚠T901 1-429-388-11 TRANSFORMER, POWER
(WE405:AEP, CH, MY, SP, UK, G, AUS/WR661:AEP, SP, UK, G, IT)
⚠T901 1-429-389-11 TRANSFORMER, POWER (WE405:E/WR661:E)
⚠VS901 1-692-155-11 SELECTOR, POWER VOLTAGE
(WE405:E/WR661:E)</td></tr>
</table>

NOTE:

- Abbreviation
  - CND : Canadian model
  - G : German model
  - IT : Italian model
  - SP : Singapore model
  - MY : Malaysia model
  - AUS : Australian model
  - CH : Chinese model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

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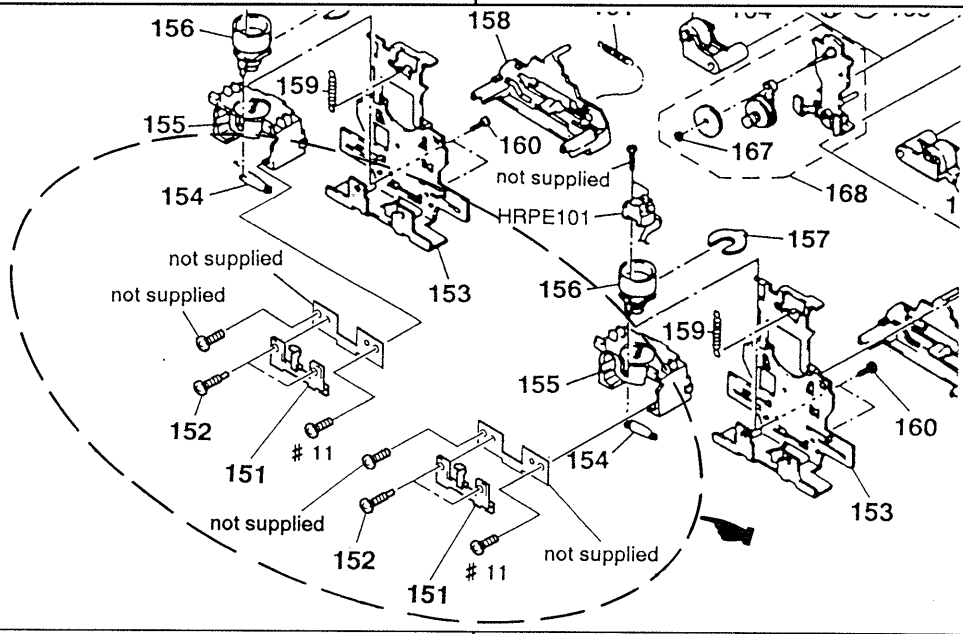
Page	INCORRECT	CORRECT
32		

Page	Ref.No	Part No	Description	Remark
41			*** MISCELLANEOUS ***	
	⚠T901	429-387-11	TRANSFORMER, POWER (WE405:US, CND/WR350Z/WR661:US, CND)	
	⚠T901	429-388-11	TRANSFORMER, POWER (WE405:AEP, CH, MY, SP, UK, G, AUS/WR661:AEP, SP, UK, G, IT)	
	⚠T901	429-389-11	TRANSFORMER, POWER (WE405:E/WR661:E)	
	⚠VS901	692-155-11	SELECTOR, POWER VOLTAGE (WE405:E/WR661:E)	

Ref.No	Part No	Description	Remark
		*** MISCELLANEOUS ***	
⚠T901	1-429-387-11	TRANSFORMER, POWER (WE405:US, CND/WR350Z/WR661:US, CND)	
⚠T901	1-429-388-11	TRANSFORMER, POWER (WE405:AEP, CH, MY, SP, UK, G, AUS/WR661:AEP, SP, UK, G, IT)	
⚠T901	1-429-389-11	TRANSFORMER, POWER (WE405:E/WR661:E)	
⚠VS901	1-692-155-11	SELECTOR, POWER VOLTAGE (WE405:E/WR661:E)	

ACCESSORIES & PACKING MATERIALS (Revised including corrections and addition of models.)

Page	Ref.No	Part No	Description	Remark
41		1-551-734-11	CORD, CONNECTION (158cm AUDIO)	
		3-810-312-11	MANUAL, INSTRUCTION (ENGLISH) (WE405:US, CND, UK, AUS/WR350Z/WR661:US, CND)	
		3-810-312-21	MANUAL, INSTRUCTION (FRENCH) (CND)	
		3-810-312-31	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (WE405:AEP, CH, MY, SP, E)	
		3-810-312-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (WE405:AEP, CH, MY, SP)	
		3-810-312-51	MANUAL, INSTRUCTION (GERMAN) (WE405:G)	
		3-810-312-61	MANUAL, INSTRUCTION (CHINESE) (WE405:E)	
		3-810-312-71	MANUAL, INSTRUCTION (ARABIC) (WR661:E)	
	*	3-932-083-01	CUSHION	
	*	3-932-085-01	INDIVIDUAL CARTON (WE405/WR350Z:CND)	
	*	3-932-086-01	INDIVIDUAL CARTON (WR661:AEP, UK, G, IT)	
	*	3-932-087-01	INDIVIDUAL CARTON (WR350Z:US)	
	*	3-934-928-01	INDIVIDUAL CARTON (WR661:US, CND)	

Ref.No	Part No	Description	Remark
	1-551-734-11	CORD, CONNECTION (158cm AUDIO)	
	3-810-312-11	MANUAL, INSTRUCTION (ENGLISH) (WE405:US, CND, UK, AUS/WR350Z/WR661:US, CND, UK, AUS)	
	3-810-312-21	MANUAL, INSTRUCTION (FRENCH) (CND)	
	3-810-312-31	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (WE405:AEP, E/WR661:AEP, SP, E)	
	3-810-312-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (WE405:AEP/WR661:AEP)	
	3-810-312-51	MANUAL, INSTRUCTION (GERMAN) (WE405:G/WR661:G)	
	3-810-312-61	MANUAL, INSTRUCTION (CHINESE) (WE405:AEP, E, CH/WR661:SP, E)	
	3-810-312-71	MANUAL, INSTRUCTION (ARABIC) (WR661:E)	
*	3-932-083-01	CUSHION	
*	3-932-085-01	INDIVIDUAL CARTON (WR350Z:CND)	
*	3-932-086-01	INDIVIDUAL CARTON (WR661:AEP, UK, G, IT)	
*	3-932-087-01	INDIVIDUAL CARTON (WR350Z:US)	
*	3-934-927-01	INDIVIDUAL CARTON (WE405)	
*	3-934-928-01	INDIVIDUAL CARTON (WR661:US)	
*	3-936-956-01	INDIVIDUAL CARTON (WR661:CND, SP, E, AUS)	

2. MODEL ADDITION (TC-WR661: Singapore, Australian model)

- **For detailed SP, AUS model, refer to E model.**

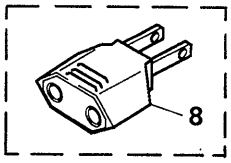
Difference table

Page	TC-WR661: E model				TC-WR661: SP, AUS model			
	Ref. No	Part No	Description	Remark	Ref. No	Part No	Description	Remark
29			*** EXPLODED VIEWS ***				*** EXPLODED VIEWS ***	
	* 4	A-2007-487-A	MAIN BOARD, COMPLETE (WR661:E)		* 4	A-2007-487-A	MAIN BOARD, COMPLETE (WR661:SP, E)	
					* 4	A-2007-590-A	MAIN BOARD, COMPLETE (WR661:AUS)	
	* 6	3-703-571-11	BUSHING (S)(4516), CORD (WR661:E)		* 6	3-703-244-00	BUSHING (2104), CORD (WR661:SP, AUS)	
	⚠7	1-696-027-11	CORD, POWER (WR661:E)		⚠7	1-575-651-21	CORD, POWER (WR661:SP, AUS)	
	⚠8	1-569-007-11	ADAPTER, CONVERSION 2P (WR661:E)					
	* 9	3-931-436-42	PANEL, BACK (WR661:E)		* 9	3-931-436-51	PANEL, BACK (WR661:AUS)	
					* 9	3-931-436-61	PANEL, BACK (WR661:SP)	
	⚠T901	1-429-389-11	TRANSFORMER, POWER (WR661:E)		⚠T901	1-429-388-11	TRANSFORMER, POWER (WR661:AUS)	
					⚠T901	1-429-389-11	TRANSFORMER, POWER (WR661:SP, E)	
	⚠VS901	1-692-155-11	SELECTOR, POWER VOLTAGE (WR661:E)		⚠VS901	1-692-155-11	SELECTOR, POWER VOLTAGE (WR661:SP, E)	
34			*** ELECTRICAL PARTS LIST ***				*** ELECTRICAL PARTS LIST ***	
	*	A-2007-487-A	MAIN BOARD, COMPLETE (WR661:E)		*	A-2007-487-A	MAIN BOARD, COMPLETE (WR661:SP, E)	
					*	A-2007-590-A	MAIN BOARD, COMPLETE (AUS)	
35	CN703	1-568-106-11	PIN, CONNECTOR 4P (WR661:E)		CN703	1-568-106-11	PIN, CONNECTOR 4P (WR661:SP, E)	
38	⚠T901	1-429-389-11	TRANSFORMER, POWER (WR661:E)		⚠T901	1-429-388-11	TRANSFORMER, POWER (WR661:AUS)	
					⚠T901	1-429-389-11	TRANSFORMER, POWER (WR661:SP, E)	
41			*** MISCELLANEOUS ***				*** MISCELLANEOUS ***	
	⚠7	1-696-027-11	CORD, POWER (WR661:E)		⚠7	1-575-651-21	CORD, POWER (WR661:SP, AUS)	
	⚠8	1-569-007-11	ADAPTER, CONVERSION 2P (WR661:E)					
	⚠T901	1-429-389-11	TRANSFORMER, POWER (WR661:E)		⚠T901	1-429-388-11	TRANSFORMER, POWER (WR661:AUS)	
					⚠T901	1-429-389-11	TRANSFORMER, POWER (WR661:SP, E)	
	⚠VS901	1-692-155-11	SELECTOR, POWER VOLTAGE (WR661:E)		⚠VS901	1-692-155-11	SELECTOR, POWER VOLTAGE (WR661:SP, E)	
	Note: Refer to CORRECTION on page 3 about the ACCESSORIES & PACKING MATERIALS.							

NOTE:
- Abbreviation
  SP : Singapore model
  AUS : Australian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

3. PARTS CHANGE

Page	FORMER				NEW			
	Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
29			*** EXPLODED VIEWS ***				*** EXPLODED VIEWS ***	
					⚠8	1-569-008-21	ADAPTER, CONVERSION 2P (WE405:CH)	
					 (WE405: CH)			
30	59	4-977-358-01	CUSHION (8X12.5)		59	4-977-358-11	CUSHION (8X12.5)	
	68	1-769-950-11	WIRE (FLAT TYPE) (11 CORE)		68	1-765-325-11	WIRE (FLAT TYPE) (11 CORE)	
35			*** MAIN BOARD, COMPLETE ***				*** MAIN BOARD, COMPLETE ***	
	C813	1-137-446-11	FILM 0.18uF 5% 50V		C813	1-136-168-00	FILM 0.18uF 5% 50V	
	CNF803	1-568-838-11	SOCKET, CONNECTOR 21P		CNF803	1-695-344-11	SOCKET, CONNECTOR 21P	
	* CNF804	1-568-830-11	SOCKET, CONNECTOR 11P		* CNF804	1-695-334-11	SOCKET, CONNECTOR 11P	
	* CNF805	1-568-830-11	SOCKET, CONNECTOR 11P		* CNF805	1-695-334-11	SOCKET, CONNECTOR 11P	
	* CNF806	1-568-830-11	SOCKET, CONNECTOR 11P		* CNF806	1-695-334-11	SOCKET, CONNECTOR 11P	
36	R510	1-247-807-31	CARBON 10 5% 1/4W		R510		JUMPER WIRE	
37	R714	1-249-428-11	CARBON 8.2K 5% 1/4W F		R714	1-249-429-11	CARBON 10K 5% 1/4W F	
	⚠R723	1-217-371-00	FUSIBLE 0.47 10% 1/4W		⚠R723	1-219-138-91	FUSIBLE 0.47 10% 1/4W	
	R836	1-249-426-11	CARBON 5.6K 5% 1/4W (WE405)		R836	1-249-427-11	CARBON 6.8K 5% 1/4W F(WE405)	
41			*** MISCELLANEOUS ***				*** MISCELLANEOUS ***	
					⚠8	1-569-008-21	ADAPTER, CONVERSION 2P (WE405:CH)	
	68	1-769-950-11	WIRE (FLAT TYPE) (11 CORE)		68	1-765-325-11	WIRE (FLAT TYPE) (11 CORE)	

NOTE:
- Abbreviation
  - SP : Singapore model
  - MY : Malaysia model
  - CH : Chinese model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

TC-WE405/WR350Z/WR661

SONY

SERVICE MANUAL

US Model
Canadian Model
TC-WE405/WR350Z/WR661
AEP Model
UK Model
E Model
TC-WE405/WR661
Australian Model
Chinese Model
TC-WE405

CORRECTION-1

Correct your service manual as shown below.

Page	INCORRECT				CORRECT			
	Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
31	101	X-4945-690-1	HOLDER (L) ASSY, CASSETTE		101	X-4945-691-1	HOLDER (R) ASSY, CASSETTE	
	102	X-4945-691-1	HOLDER (R) ASSY, CASSETTE		102	X-4945-690-1	HOLDER (L) ASSY, CASSETTE	

(RPC-99002)

9-960-528-91

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Home Audio Company

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